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EXECUTIVE COMMITTEE OF  
THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Fifty-ninth Meeting  
Port Ghalib, Egypt, 10-14 November 2009

**UPDATED MODEL ROLLING THREE-YEAR PHASE-OUT PLAN: 2010-2012  
(DECISION 56/5)**

## Introduction

1. The Secretariat is submitting herewith the model rolling three-year phase-out plan for the 2010-2012 triennium as a follow-up to decision 56/5(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 2010-2012 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 59<sup>th</sup> Meeting; and
- (e) A set of conclusions and recommendations.

## Background

2. At the 37<sup>th</sup> 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 56<sup>th</sup> Meeting, the Executive Committee considered the updated model for the 2009-2011 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 2009-2011 triennium; and
- (b) To request the Secretariat to present an updated model for the 2010-2012 period to the last meeting of the Executive Committee in 2009 to provide guidance as relevant for the preparation of the 2010-2012 business plan of the Multilateral Fund (decision 56/5).

4. In line with decision 56/5, 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 56<sup>th</sup> 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 1 October 2009).

5. A summary of the projects approved at the 56<sup>th</sup>, 57<sup>th</sup> and 58<sup>th</sup> 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 Protocol<sup>1</sup>, 148 countries are classified as operating under paragraph 1 of Article 5 of the Protocol (103 of these countries are considered low-volume

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<sup>1</sup> As of 5 October 2009, the number of countries that are Parties to the London, Copenhagen, Montreal and Beijing Amendments are 193, 190, 177 and 158, respectively.

consuming, or LVC, countries<sup>2</sup>). Four of the current 148 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 Fund<sup>3</sup> and, therefore, have not been considered in the model. One Party has been reclassified as a non-Article 5 country<sup>4</sup>.

7. The analysis covers the following ODS: CFCs, halons, methyl bromide (MB), CTC, TCA and HCFCs as per decision 54/5(b)(i).

### **ODS phase-out in the 2010-2012 triennium excluding HCFCs**

8. After taking into consideration the phase-out projects and activities approved by the Executive Committee at its 56<sup>th</sup> to 58<sup>th</sup> Meetings, the model was run to determine the maximum amounts of CFCs, halons, MB, CTC and TCA that need to be funded during the 2010-2012 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. The 41 non-LVC countries have an approved CFC phase-out plan addressing all the CFC consumption eligible for funding. The total CFC baseline for these countries is 147,583.6 ODP tonnes, and the 2007/2008 CFC consumption is 11,813.2 ODP tonnes.

Six countries (Brazil, Cuba, Malaysia, Nigeria and the former Yugoslav Republic of Macedonia and Tunisia) have submitted tranches of already approved national/sectoral CFC phase out plans to the 59<sup>th</sup> Meeting;

The institutional strengthening projects of these countries will continue to be funded, as appropriate.

11. 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 RMP project. The total CFC baseline for these countries is 241.4 ODP tonnes, and the 2007/2008 CFC consumption is 20.0 ODP tonnes.

One country (Somalia) has submitted its country programme to the 59<sup>th</sup> Meeting.

Group II: Consisting of 3 countries, which have had RMPs approved in accordance with decision 31/48 (i.e., they are all 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). The total CFC

<sup>2</sup> Countries with CFC baseline consumption below 360 ODP tonnes.

<sup>3</sup> 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.

<sup>4</sup> 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.

baseline for these countries is 170.1 ODP tonnes and the 2007/2008 reported consumption under Article 7 is 22.4 ODP tonnes;

Group III: Consisting of 98 countries, 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 2007/2008 CFC consumption is 349.6 ODP tonnes;

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

Thirteen countries (Bahrain, Benin, Cape Verde, Djibouti, Grenada, Guyana, Honduras, Mozambique, Nigeria, Qatar, Seychelles, Swaziland and Uganda) have submitted requests for tranches for already approved terminal phase-out management plans to the 59<sup>th</sup> Meeting;

The institutional strengthening projects of these countries will continue to be funded, as appropriate.

12. 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);
- (c) One country (India) has submitted requests for tranches of already approved CFC phase-out closure plans to the 59<sup>th</sup> Meeting.

### Halons

13. 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 75 countries with an established halon baseline. These countries are divided into 3 major groups:

Group I: Consisting of 1 country (Somalia) that might need immediate assistance to achieve the 2010 halon phase-out target. The total halon baseline for this country is 17.7 ODP tonnes and the 2007/2008 reported consumption under Article 7 is 13.2 ODP tonnes.

Group II: Consisting of 12 countries with a halon baseline but without reported halon consumption between 2006 and 2008. The total halon baseline for these countries is 42.9 ODP tonnes and the 2007/2008 halon consumption is zero.

Group III: 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 42,709.6 ODP tonnes and the 2007/2008 halon consumption is 1,026.5 ODP tonnes.

14. 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.

### Methyl bromide

15. The analysis for MB includes a revision of MB consumption (134 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 that might need immediate assistance to achieve the 2005 MB phase out target. The total MB baseline for these countries is 21.7 ODP tonnes and the 2007/2008 reported consumption under Article 7 is 21.4 ODP tonnes;

One country (Turkmenistan) has submitted to the 59<sup>th</sup> Meeting a project proposal for the complete phase-out of controlled uses of MB;

One country (Tunisia), which might need assistance to achieve the 20 per cent reduction target in a future year in accordance with decision XV/12<sup>5</sup> of the Fifteenth Meeting of the Parties.

Group II: Consisting of 12 countries with approved projects that would enable, as a minimum, compliance with the 2005 phase-out target. The total MB baseline for these countries is 1,801.5 ODP tonnes and the 2007/2008 reported consumption under Article 7 is 684.8 ODP tonnes. The total remaining unfunded MB consumption for these countries is 566.0 ODP tonnes;

One country (Guatemala) has submitted to the 59<sup>th</sup> Meeting project proposals for the complete phase-out of controlled uses of MB.

Group III: Consisting of 57 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 7,162.2 ODP tonnes and the 2007/2008 reported consumption under Article 7 is 2,347.0 ODP tonnes;

Two countries (Costa Rica and Viet Nam) have submitted to the 59<sup>th</sup> Meeting a request for a tranche of an already approved multi-year MB project.

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<sup>5</sup> 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.

- Group IV: Consisting of 52 countries with a MB baseline equal to zero, or no calculated baseline, or with no (or very little) current consumption;
- Group VI: Consisting of 5 countries (Angola, Ethiopia, Guinea, Lesotho, Nepal) that are not yet Parties to the Copenhagen Amendment.

16. 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;
- (b) The 2007 production level reported under Article 7 is 411.8 ODP tonnes (China);
- (c) 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

17. 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 2007 and/or 2008), 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 that might need assistance to meet the 2010 CTC phase-out target. The total CTC baseline for these countries is 41.4 ODP tonnes and the 2007/2008 reported consumption under Article 7 is 0.1 ODP tonnes (by one country);
- Group II: Consisting of 55 countries<sup>6</sup> 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 65,399.1 ODP tonnes and the 2007/2008 reported consumption under Article 7 is 1,012.7 ODP tonnes;

One country (Democratic People's Republic of Korea (the)) has submitted to the 59<sup>th</sup> Meeting a tranche request for already approved multi-year phase-out plans.

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

- (a) Five countries (Brazil<sup>7</sup>, China, Democratic People's Republic of Korea (the), India and Romania), have a CTC production baseline totalling 57,318.9 ODP tonnes;
- (b) Projects for the complete phase-out of CTC in the production and consumption sectors in 4 countries have been approved by the Executive Committee (China, Democratic

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<sup>6</sup> The CTC baseline in 1 country (Venezuela (Bolivarian Republic of)) is 1,107.2 ODP tonnes. 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 tonnes, 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.

<sup>7</sup> The model has not taken into account the phase-out of the CTC production facilities in Brazil (baseline of 11,629.6 ODP tonnes) 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).

People's Republic of Korea (the), India, and Romania, with a total CTC production baseline of 45,684.3 ODP tonnes). One project (Romania) has been completed.

## TCA

19. 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 2 major groups:

- Group I: Consisting of 9 countries that might need assistance to achieve the 2010 TCA phase-out target. The total TCA baseline for these countries is 225.8 ODP tonnes and the 2007/2008 reported consumption under Article 7 is zero.
- Group II: Consisting of 3 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 2007/2008 reported consumption under Article 7 is 279.6 ODP tonnes.

20. The TCA production sector can be described as follows:

- (a) Three countries (Brazil<sup>8</sup>, China and Democratic People's Republic of Korea (the)), have a TCA production baseline totalling 152.9 ODP tonnes;
- (b) 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 2009-2011 from approved phase-out plans and projects

21. The results of the model are presented in Tables 1 to 10 of Annex III to this document. The total maximum amount of ODS that needs to be funded during the 2010-2012 triennium is 79.4 ODP tonnes, with the following annual distribution:

### **ODS to be funded for phase-out (ODP tonnes) during 2010-2012**

<b>Amount of ODS to be funded</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>Total</b>
CFC in non-LVC countries					
CFC in LVC countries**	61.7	-	-	-	61.7
CFC production sector					-
Halon	13.2	-	-	-	13.2
MB (consumption)**	4.3	-	-	-	4.3
MB (production)					-
CTC**	0.1	-	-	-	0.1
TCA**	-	-	-	-	-
<b>Total ODS to be funded</b>	<b>79.4</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>79.4</b>

(\*\*) Based on 15 per cent of the baselines and not current (2007/2008) reported consumption.

22. The Executive Committee should also be cognizant of the fact that:

- (a) Some 17,704 ODP tonnes of ODS consumption and 6,018 ODP tonnes of ODS

<sup>8</sup> The model has not taken into account the phase-out of TCA production facilities in Brazil (baseline of 32.4 ODP tonnes), taking into consideration that, since 2000, production of TCA has been nil.

production have yet to be phased out in approved multi-year sectoral and national phase-out plans during the remainder of 2009 and in the 2010-2012 triennium;

- (b) Some 18,823 ODP tonnes of ODS consumption have yet to be phased out in approved individual or umbrella projects (on the basis of the progress report submitted by bilateral and implementing agencies to the 58<sup>th</sup> Meeting of the Executive Committee<sup>9</sup>);
- (c) Three RMP projects for LVC countries approved in accordance with decision 31/48 (e.g., to achieve the 2005 and 2007 CFC phase-out targets on time) are under current implementation; and
- (d) Ninety-eight TPMPs for LVC countries<sup>10</sup>, 41 national ODS phase-out plans for non-LVC countries, and 12 phase-out plans in the production sector in 7 non-LVC countries are under current implementation.

23. In summary, about 36,527 ODP tonnes of ODS consumption and 6,018 ODP tonnes of ODS production, other than HCFCs, have yet to be phased out during the remainder of 2009 and in the 2010-2012 triennium. The level of effort still required by both the Article 5 countries concerned and the bilateral and implementing agencies to implement the already approved reductions in ODS consumption and production (where applicable), should not be underestimated and should be fully kept in mind during future planning activities.

#### **Analysis of HCFC phase-out**

24. At their 19<sup>th</sup> Meeting, the Parties to the Montreal Protocol agreed to accelerate the phase-out of the production and consumption of HCFCs (decision XIX/6).<sup>11</sup> Accordingly, the compliance-oriented model considered by the Executive Committee at its 56<sup>th</sup> Meeting included, for the first time, the 2002-2007 consumption and production levels of HCFCs as reported under Article 7 of the Protocol.

25. In the context of the consolidation of the agencies' 2009-2011 business plans considered at the 57<sup>th</sup> Meeting, the Executive Committee requested "the Secretariat to prepare, for the 59<sup>th</sup> Meeting, a strategic analysis to assist the Executive Committee in providing guidance to the bilateral and implementing agencies on how to equitably allocate, in their 2010 and 2011 business plans, funds for all eligible Article 5 countries to enable them to comply with the HCFC 2013 freeze and the 2015 10 per cent reduction, within the limits of available resources. The strategic analysis should take into consideration any decisions on HCFC costs and funding eligibility taken by the Executive Committee prior to the 59<sup>th</sup> Meeting, and present options on how funding could be allocated, taking into account countries' total HCFC consumption and the sectoral distribution of that consumption" (decision 57/6(e)).

#### **HCFC consumption**

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 2008. Not all Article 5 countries have reported consumption for all HCFCs and/or for all years of the 2000 to 2008 period. For 18 countries that had not reported their 2008 ODS consumption data under Article 7 at the time of preparation of this paper,

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<sup>9</sup> The data contained in the progress reports submitted by bilateral and implementing agencies to the 55th Meeting of the Executive Committee is as of December 2007.

<sup>10</sup> Including TPMPs for Armenia and Turkmenistan funded outside the Multilateral Fund.

<sup>11</sup> 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.



the data presented in their 2008 progress report on implementation of the country programme was used (Afghanistan, Angola, Bhutan, Bolivia, Burundi, Cape Verde, China, Colombia, Cote d'Ivoire, Cuba, Guinea, Kiribati, Lao People's Democratic Republic (the), Libyan Arab Jamahiriya (the), Senegal, Solomon Islands, Uruguay and Venezuela (Bolivarian Republic of)). In all other cases, the same HCFC consumption for 2007 was considered for 2008;

- (b) In several countries, wide fluctuations in consumption of the same HCFC occur during the reporting period;
- (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 2007/2008 reported HCFC consumption under Article 7 for these countries is 2,527.08 ODP tonnes;
- (d) Consumption is reported for the following eight HCFCs: HCFC-123, HCFC-124, HCFC-225, HCFC-225ca, HCFC-225cb, HCFC-141b, HCFC-142b, and HCFC-22. However, the analysis is based only on the consumption of HCFC-22, HCFC-141b and HCFC-142b which represents over 99 per cent of total consumption in all countries. HCFC consumption by one country (China) represents over 56 per cent of the total consumption in Article 5 countries as shown in the table below:

HCFC	HCFC consumption (ODP tonnes)			%China
	Excluding China	China	Total	
HCFC-141b	4,898	4,415	9,313	47.4%
HCFC-142b	458	1,096	1,554	70.5%
HCFC-22	7,371	10,847	18,219	59.5%
Total	12,728	16,359	29,086	56.2%

- (e) HCFC-141b, HCFC-142b and HCFC-22 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. While the sectoral distribution of HCFC consumption reported by Article 5 countries will only be known once they submit their HCFC phase-out management plans (HPMPs), it is expected that most of HCFC-22 consumption will be concentrated in the refrigeration and air conditioning sectors, while HCFC-141b and HCFC-142b in the foam sector;
- (f) It appears that several Article 5 countries import pre-mixed polyols containing HCFC-141b<sup>12</sup>. In most of these countries, the HCFC-141b contained in polyols has not been reported as "consumption" (according to the definition of the Montreal Protocol). The level of HCFC-141b imported in polyols, which should not be underestimated, will be known only once the preparation of HPMPs have been completed;
- (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

<sup>12</sup> Two HCFC phase-out investment projects have been submitted to the 59<sup>th</sup> Meeting of the Executive Committee by two countries (Dominican Republic (the) and the former Yugoslav Republic of Macedonia), where premixed polyol containing HCFC-141b are imported. These countries have not reported under Article 7 of the Protocol the amount of HCFC-141b contained in the polyol.

these blends as consumption;

- (h) Ninety-two of the 140 Article 5 countries considered in the analysis have reported consumption mainly of HCFC-22. Eleven of these countries (Bahrain, Belize, Botswana, Brunei Darussalam, Dominican Republic (the), Ecuador, Ghana, Lao People's Democratic Republic (the), Seychelles, Trinidad and Tobago and Zimbabwe) have also reported very low levels of consumption of HCFC-141b and/or HCFC-142b and only in some years over the 2000-2008 period.
- (i) Forty-eight countries have reported consumption of HCFC-141b and/or HCFC-142b in addition to HCFC-22. Based on current information available, this consumption is assumed to be mainly in the foam sector;
- (j) This analysis has been conducted solely on the basis of HCFC consumption reported by Article 5 countries, and has not taken into consideration issues related to funding eligibility, such as HCFC consumption by multinational corporations; HCFC consumption by manufacturing enterprises established after the cut-off date to be decided by the Executive Committee; or second-stage conversions).

27. To forecast HCFC consumption for the 2009-2010 period, the Secretariat used an extrapolation method based on the "least square" method (i.e., the normal "trend" function in Excel analysis), which was also utilized by the TEAP 2009-2011 Replenishment Task Force<sup>13</sup>. Based on this method, the 2000-2008 growth rate of HCFC consumption is 12.2 per cent considering all Article 5 countries or 8.4 per cent excluding one country (China). Based on these figures, an annual growth rate of 6 per cent was applied to forecast HCFC consumption in 2011 and 2012, considering that most Article 5 countries would have already submitted their HPMPs with commitments to achieve reductions in aggregate HCFC consumption.

28. Taking into account the limited information currently available on the sectoral distribution of HCFC consumption by Article 5 countries and the above considerations, the Secretariat categorized the countries into the following preliminary four groups (this grouping should be revised once the detailed sectoral distribution of HCFCs in each Article 5 country is known):

- Group I: Consisting of 92 Article 5 countries with consumption of mainly HCFC-22. The total 2007/2008 HCFC consumption of these countries is 635.25 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 HCFC-141b and/or HCFC-142b. The total 2007/2008 HCFC consumption of these countries is 1,139.91 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 2007/2008 HCFC consumption of these countries is 10,953.65 ODP tonnes. It is assumed that these countries might

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<sup>13</sup> The TEAP Replenishment Task Force had several consultations with the Fund Secretariat on, *inter alia*, the extrapolation method to be used for the 2007-2012 HCFC consumption. Description of the extrapolation method could be found in Annex 3 of the May 2008 TEAP Replenishment Task Force report.

meet their 2013 and 2015 HCFC phase-out control targets mainly through reduction of HCFC-141b in the foam manufacturing sector. For meeting the 2020 HCFC phase-out target, several of these countries might also need to reduce HCFC-22 consumption in the refrigeration sector;

Group IV: Consisting of one country (China) with large levels of reported consumption of HCFC-22, HCFC-141b, and HCFC-142b (16,358.72 ODP tonnes in 2008). 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 allowable levels of consumption established by the Parties under decision XIX/6 for the years 2013, 2015, 2020 and 2025 for each the four groups is presented below<sup>14</sup> (Table 7 of Annex III lists HCFC consumption by each Article 5 Party):

Group	HCHC consumption (ODP tonnes)								
	2008	2009	2010	2011	2012	2013	2015	2020	2025
Group I	644	626	696	738	782	661	595	430	215
Group II	1,284	1,344	1,541	1,634	1,732	1,443	1,298	938	469
Group III	10,801	10,317	11,438	12,124	12,852	10,878	9,790	7,070	3,535
Group IV	16,359	19,589	21,877	23,189	24,580	20,733	18,659	13,476	6,738
<b>Total</b>	<b>29,088</b>	<b>31,875</b>	<b>35,552</b>	<b>37,685</b>	<b>39,946</b>	<b>33,714</b>	<b>30,342</b>	<b>21,914</b>	<b>10,957</b>

#### Reductions in HCFC consumption

30. 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 HCFC freeze in 2013, nearly 4,000 ODP tonnes would need to be phased out from the forecasted 2011 HCFC consumption of 29,100 ODP tonnes (for all Article 5 countries);
- (b) HCFC consumption reduction levels to meet the 2015 compliance level (i.e., from 33,714 ODP tonnes in 2013 to 30,342 ODP tonnes in 2015) will be realized in 2013 and 2014 (i.e., 50 per cent reduction each year);
- (c) HCFC consumption reduction levels to meet the 2020 compliance level (i.e., from 30,342 ODP tonnes in 2015 to 21,914 ODP tonnes in 2020) will be realized between 2015 and 2019 (i.e., 20 per cent reduction each year).

<sup>14</sup> 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 by the Task Force in 2007 was 24,805 ODP tonnes compared to 29,519 ODP tonnes reported under Article 7 (i.e., a difference of 5,014 ODP tonnes). The difference for 2008 is expected to be about 1,000 ODP tonnes (this will be known once all Article 5 countries report their 2008 consumption under Article 7 of the Protocol).

Group	HCFC consumption reduction levels (ODP tonnes)							
	2012	2013	2014	2015	2016	2017	2018	2019
Group I	126	53	53	53	53	53	53	53
Group II	173	65	65	65	65	65	65	65
Group III	1,216	531	531	531	531	531	531	531
Group IV	2,457	1,037	1,037	1,037	1,037	1,037	1,037	1,037
<b>Total</b>	<b>3,971</b>	<b>1,686</b>	<b>1,686</b>	<b>1,686</b>	<b>1,686</b>	<b>1,686</b>	<b>1,686</b>	<b>1,686</b>

### HCFC production

31. HCFCs are produced in five Article 5 countries<sup>15</sup> (Argentina, China, India, Mexico, and Venezuela (Bolivarian Republic of)), with the following production levels over the 2000-2008 period.

Country	2000	2001	2002	2003	2004	2005	2006	2007	2008
Argentina	5.6	5.4			31.0	19.4	11.2	45.0	157.1
China	5,939.8	7,022.0	8,650.5	11,745.2	15,447.1	18,101.2	24,265.2	27,482.4	26,272.8*
India	773.3	817.7	803.3	1,056.9	1,356.9	1,313.4	1,589.0	2,211.7	2,258.2
Mexico	237.1	176.2	272.1	281.4	281.4	482.7	687.8	778.3	771.2
Venezuela (Bolivarian Republic of)	31.3	42.5	27.1	24.4	54.7	29.7	55.2	63.9	76.51*
<b>Total</b>	<b>6,987.1</b>	<b>8,063.8</b>	<b>9,753.0</b>	<b>13,107.9</b>	<b>17,171.1</b>	<b>19,946.4</b>	<b>26,608.4</b>	<b>30,581.3</b>	<b>29,535.8</b>

(\*) Based on the 2008 progress report on the implementation of the country programme.

32. The Executive Committee is currently considering policy issues related to the production sector, including the funding eligibility of several HCFC-22 production facilities in several of these countries, and modalities for reducing levels of consumption according to the phase-out schedule agreed by the Parties at their 19<sup>th</sup> Meeting. It is therefore proposed to include an analysis of the HCFC production sector once these issues have been addressed by the Executive Committee.<sup>16</sup>

### **Level of funding agreed in principle**

33. For the remainder of 2009 and in the 2010-2012 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), amount to US \$ 153,705,456.

34. Of the total level of funding that has been approved in principle by the Executive Committee in multi-year projects, US \$568,714 associated with the tranches for phase-out projects in 6 countries has not been submitted for approval by the Executive Committee at its 59<sup>th</sup> Meeting, or was subsequently withdrawn by the relevant bilateral and implementing agencies, as shown in the table below:

<sup>15</sup> HCFCs are also produced in Republic of Korea (the): 372.5 ODP tonnes and 363.6 ODP tonnes of HCFCs were produced in 2007 and 2008 respectively

<sup>16</sup> 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.

Country	Sector	Total funding (US \$)
Burundi	CFC phase out plan	104,100
Central African Republic (the)	CFC phase out plan	101,700
Congo (the)	CFC phase out plan	96,510
Guinea	CFC phase out plan	130,940
Guinea-Bissau	CFC phase-out	42,375
Kyrgyzstan	CFC phase out plan	93,089
<b>Total</b>		<b>568,714</b>

#### Funding level of projects submitted to the 59<sup>th</sup> Meeting

35. The total value of new multi-year projects (including national/sectoral phase-out plans in the production and consumption sectors, HCFC demonstration and investment projects, and ODS destruction projects) as submitted to the 59<sup>th</sup> Meeting, is over US \$57,875,123 (prior to determination of the eligibility of their incremental costs). However, the exact amounts and the funding implications for the 2010-2012 triennium will be known only after the conclusion of the 59<sup>th</sup> Meeting of the Executive Committee.

#### **Conclusions**

36. 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 and for 98 of the 103 LVC countries. To achieve the 2010 Montreal Protocol phase-out targets, an additional 61.7 ODP tonnes of ODS currently used by 5 Article 5 countries will need to be addressed in 2010.

37. The level of phase-out for halon, CTC and TCA to be addressed in 2010 on the basis of the calculated baselines for compliance and the latest 2007/2008 reported consumption is very small and distributed among several countries (13.2 ODP tonnes of halons and 0.1 tonne of CTC).

38. Of the total funding that has been approved in principle for 2009, an amount of US \$568,714 associated with tranches of phase-out projects in six countries has not been submitted to the 59<sup>th</sup> Meeting.

39. In addition to the amounts of ODS phase-out, excluding HCFCs, to be funded during the remainder of 2009 and in the 2010-2012 triennium the Executive Committee should be cognizant of the fact that:

- (a) Some 17,704 ODP tonnes of ODS consumption (including 2,652 ODP tonnes of MB) and 6,018 ODP tonnes of ODS production (including 176 ODP tonnes of MB) have yet to be phased out in approved multi-year sectoral and national phase-out plans during the remainder of 2009 and in the 2010-2012 triennium;
- (b) Some 19,780 ODP tonnes of ODS consumption (including 1,804 ODP tonnes of MB) have yet to be phased out in approved individual or umbrella projects (on the basis of the progress report submitted by bilateral and implementing agencies to the 58<sup>th</sup> Meeting of the Executive Committee<sup>17</sup>);
- (c) Three RMP projects for LVC countries approved in accordance with decision 31/48 (e.g., to achieve the 2005 and 2007 CFC phase-out targets on time); 98 TPMPs for LVC

<sup>17</sup> The data contained in the progress reports submitted by bilateral and implementing agencies to the 55th Meeting of the Executive Committee is as of December 2007.

countries<sup>18</sup>; 41 national ODS phase-out plans for non-LVC countries; and 12 phase-out plans in the production sector in 7 non-LVC countries are under current implementation.

40. HCFC consumption in Article 5 countries<sup>19</sup> increased from 11,263 ODP tonnes in 2000 to 29,086 ODP tonnes in 2008, while HCFC production increased from 6,987 ODP tonnes to 29,536 over the same period. The 2009 to 2012 HCFC consumption was forecast based solely on the HCFC-141b, HCFC-142b and HCFC-22 consumption reported under Article 7 of the Montreal Protocol by Article 5 countries for the period 2000 to 2008. Based on this approach, an HCFC baseline has been “estimated” at 33,700 ODP tonnes. Accordingly, maximum levels of HCFCs consumption could then be calculated using the phase-out schedule agreed under decision XIX/6. It is to be noted, however, that the consumption forecast has been based only on very limited information. Once additional information is made available through HPMPs under current implementation, the estimated HCFC baseline could then be recalculated.

### Recommendations

41. The Executive Committee may wish to:

- (a) Consider adopting the 2010-2012 model three-year phase-out plan as a flexible guide for resource planning for the corresponding triennium;
- (b) Urge Article 5 countries with approved but not implemented projects, and the relevant implementing and bilateral agencies, to accelerate the pace of implementation during the 2010-2012 triennium;
- (c) Urge bilateral and implementing agencies to work with those countries that have been identified as being in need of immediate assistance to meet the 2010 Montreal Protocol phase-out targets, and include activities in their 2010-2012 business plans as appropriate; and
- (d) Request the Secretariat to present an updated model three-year rolling phase-out plan for the years 2011-2013 to the last meeting in 2010 to provide guidance, as relevant, for the preparation of the 2011-2013 business plan of the Multilateral Fund; and
- (e) To note that:
  - (i) Some 17,704 ODP tonnes of ODS consumption and 6,018 ODP tonnes of ODS production have yet to be phased out in approved multi-year sectoral and national phase out plans during the remainder of 2009 and in the 2010-2012 triennium;
  - (ii) Some 19,780 ODP tonnes of ODS consumption have yet to be phased out in approved individual or umbrella projects (on the basis of the progress report submitted by bilateral and implementing agencies to the 58th Meeting of the Executive Committee );
  - (iii) Three RMP projects for LVC countries approved in accordance with decision 31/48 (e.g., to achieve the 2005 and 2007 CFC phase-out targets on time); 98 TPMPs for LVC countries ; 41 national ODS phase-out plans for non-LVC

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<sup>18</sup> Including TPMPs for Armenia and Turkmenistan funded outside the Multilateral Fund.

<sup>19</sup> Excluding HCFC consumption by the Republic of Korea, Singapore and the United Arab Emirates (the).

countries; and 12 phase-out plans in the production sector in 7 non-LVC countries are under current implementation.





**Annex I**

**SUMMARY OF THE PROJECTS APPROVED AT THE 56<sup>RD</sup>, 57<sup>TH</sup> AND 58<sup>TH</sup> MEETINGS OF THE EXECUTIVE COMMITTEE**

<b>Sector/country</b>	<b>Project</b>
<b>Metered dose inhalers</b>	
Argentina	Phase-out of CFC consumption in the manufacture of aerosol MDIs
China	Sector plan for phase-out of CFCs consumption in MDI sector
Colombia	Phase-out of CFC in the manufacturing of MDIs
India	Plan for phase-out of CFCs in the manufacture of pharmaceutical MDIs
Indonesia	Technical assistance to implement national transition strategy to CFC-free MDI
Pakistan	National strategy for transition to non-CFC MDIs
<b>Foam</b>	
China	Sector plan for phase-out of CFC-11 in the China foam sector: 2009 annual programme
Iraq	Conversion from CFC-11 to methylene chloride in the production of flexible slabstock foam at Al Hadi Co.
<b>Fumigant</b>	
China	National phase-out of methyl bromide (phase II, fourth tranche)
Egypt	National phase-out of methyl bromide in horticulture and commodities fumigation except in date use
Honduras	National methyl bromide phase-out plan, phase II (third tranche)
Libyan Arab Jamahiriya (the)	Phase-out of methyl bromide in horticulture: tomatoes, cucumbers, peppers and others (second tranche)
Morocco	Phase-out of methyl bromide used for soil fumigation in tomato production (sixth tranche)
Thailand	National methyl bromide phase-out plan (third tranche)
Yemen	Terminal phase-out of methyl bromide (first tranche, part 2)
Zambia	Technical assistance for the total phase-out of methyl bromide in tobacco, cut flowers, horticulture and post harvest uses
<b>Halon</b>	
China	Sector plan for halon phase-out in China: 2009 annual programme
<b>Refrigeration</b>	
China	Refrigeration servicing sector CFC phase-out plan (fifth tranche)
Cote D'Ivoire	ODS phase out in 50 existing centrifugal chillers units
Iraq	Replacement of refrigerant CFC-12 with isobutane and foam blowing agent CFC-11 with cyclopentane in the manufacture of domestic refrigerators and chest freezers at Light Industries Company
<b>Solvent</b>	
Cambodia	Technical assistance for the total phase-out of CTC and TCA in the solvent sector
China	ODS phase-out in China solvent sector: 2009 annual programme
Democratic Republic of the Congo (the)	Umbrella project for terminal phase-out of ODS in the solvent sector (second phase)
Kenya	Technical assistance for the total phase-out of CTC and TCA in the solvent sector
Serbia	Terminal CTC phase-out project
<b>Process agents</b>	
China	Sector plan for phase-out of ODS process agent applications (phase II) and corresponding CTC production: 2009 annual programme
China	Phase-out of the production and consumption of CTC for process agent and other non-identified uses (phase I): 2009 annual programme
<b>Phase-out plans</b>	
Albania	National ODS phase out plan (sixth tranche)
Algeria	National phase-out plan (second tranche)
Bangladesh	National ODS phase-out plan (second, third and fourth tranches)

<b>Sector/country</b>	<b>Project</b>
Belize	Terminal phase-out management plan for the phase-out of ODS in the refrigeration and air-conditioning sector (second tranche)
Bolivia (Plurinational State of)	Terminal phase-out management plan (second tranche)
Botswana	Terminal phase-out management plan (first tranche)
Brazil	National CFC phase-out plan (seventh tranche)
Burkina Faso	TPMP verification
Cambodia	Terminal phase-out management plan for the phase-out of CFCs (second tranche)
Cameroon	Terminal CFC/TCA phase-out management plan (third tranche)
Chad	Terminal phase-out management plan (second tranche)
Comoros	Terminal phase-out management plan (second tranche)
Cote D'Ivoire	Terminal phase-out management plan (second tranche)
Democratic Republic of the Congo (the)	National CFC phase-out plan (second tranche)
Dominica	Terminal CFC phase-out management plan (second and third tranches)
Dominican Republic (the)	Terminal phase-out plan for Annex A (Group I) substances: (fifth tranche)
Ecuador	National CFC phase-out plan: 2008 annual programme
El Salvador	Terminal phase-out management plan for Annex A Group I substances (second and third tranches)
Equatorial Guinea	Terminal phase-out management plan (first tranche)
Gabon	Terminal phase-out management plan (second tranche)
Gambia	Terminal phase-out management plan for CFCs (second tranche)
Georgia	TPMP verification
Guatemala	Terminal phase-out management plan for Annex A Group I substances (first tranche)
Guinea-Bissau	Terminal phase-out management plan (first tranche)
Haiti	Terminal phase-out management plan for Annex A Group I substances (first tranche)
India	CTC phase-out plan for the consumption and production sectors: 2009 annual programme
Iran	National CFC phase-out plan: 2009 annual implementation programme
Iraq	National phase-out plan (first tranche)
Kenya	Terminal CFCs phase-out management plan (third tranche)
Kuwait	TPMP verification
Liberia	Terminal phase-out management plan for CFCs (second tranche)
Madagascar	Terminal phase-out management plan (second tranche)
Malawi	Terminal phase-out management plan for CFCs (second tranche)
Maldives	Terminal phase-out management plan (second tranche)
Mali	Terminal phase-out management plan for CFCs (second tranche)
Mauritania	Terminal phase-out management plan for CFCs (second tranche)
Montenegro	Terminal phase-out plan for CFCs (second tranche)
Mozambique	Terminal phase-out management plan (first tranche)
Nepal	Terminal phase-out management plan (second tranche)
Nicaragua	Terminal phase-out management plan for Annex A Group I substances (first tranche)
Niger (the)	Terminal phase out management plan (second tranche)
Nigeria	National CFC phase-out plan (sixth tranche)
Oman	Terminal phase-out management plan (second tranche)
Panama	National phase-out plan for Annex A (Group I) substances (fourth and fifth tranches)
Paraguay	Terminal phase-out management plan for Annex A Group I substances (second and third tranches)
Republic of Moldova (the)	Terminal CFC phase-out management plan (second tranche)
Rwanda	Terminal phase-out management plan for CFCs (second tranche)
Saint Kitts and Nevis	Terminal CFC phase-out management plan (second and third tranches)
Saint Lucia	Terminal phase-out management plan for the phase-out of ODS in the refrigeration and air conditioning sector (second tranche)
Saint Vincent and the Grenadines	Terminal phase out management plan for CFCs (second and third tranches)

<b>Sector/country</b>	<b>Project</b>
Samoa	Terminal phase-out management plan (second tranche)
Sao Tome and Principe	Terminal phase-out management plan for CFCs (second tranche)
Senegal	Terminal phase-out management plan for CFCs (second tranche)
Sierra Leone	Terminal phase-out management plan (first tranche)
Sudan (the)	National CFC/CTC phase-out plan (fourth tranche)
Suriname	Terminal phase-out management plan for Annex A Group I substances (first tranche)
Swaziland	Terminal phase-out management plan (first tranche)
Syrian Arab Republic	National CFC phase-out plan (second tranche)
The former Yugoslav Republic of Macedonia	Terminal phase-out management plan for CFCs (fourth tranche)
Togo	Terminal phase-out management plan for CFCs (second tranche)
United Republic of Tanzania (the)	Terminal phase-out management plan (second tranche)
Uruguay	Terminal phase-out management plan for Annex A Group I substances (second tranche)
Venezuela (Bolivarian Republic of)	National CFC phase-out plan: 2009 work programme
Zambia	TPMP verification
Zimbabwe	National phase-out of Annex A (Group I) substances (phase II, third tranche)
<b>Production</b>	
Argentina	Strategy for gradual phase-out of CFC-11 and CFC-12 production: 2009 annual programme
China	Sector plan for methyl bromide production sector (second tranche)
China	Strategy for gradual phase-out of 1,1,1-trichloroethane (TCA) production (second stage programme)
China	Sector plan for CFC production phase-out: 2009 annual programme
<b>HCFC demonstration</b>	
Brazil	Pilot project for validation of methyl formate as a blowing agent in the manufacture of polyurethane foam (phase I)
Brazil	Pilot project to validate methylal as blowing agent in the manufacture of polyurethane foams (phase I)
Egypt	Validation/demonstration of low cost options for the use of hydrocarbons as foaming agent in the manufacture of polyurethane foams
Mexico	Pilot project for validation of methyl formate in microcellular polyurethane applications (phase I)



## 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 amount 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. The total amount of CFC phase-out needed to enable compliance with the Protocol's CFC phase-out targets by all LVC countries without approved TPMP is based on the calculated CFC baseline (652.9 ODP tonnes) and not on the 2007/2008 consumption reported under Article 7 (62.4 ODP tonnes).
4. The remaining unfunded eligible amount of CFCs will be funded in 2010.

#### *CFC production sector*

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

#### Halon

6. The total amount of halon phase-out needed to enable compliance with the Protocol's halon phase-out target by all countries without an approved investment projects, halon banking and/or technical assistance programmes (at the national or regional levels) for the complete phase-out of halons, will be funded in 2010.

#### Methyl bromide

7. 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 15<sup>th</sup> Meeting of the Parties), no additional phase-out over the 2010-2012 period is proposed in the model, since the complete phase-out of MB does not come until 2015.

#### CTC

8. The analysis only includes: countries with an established CTC baseline; countries with CTC consumption reported in 2007 and/or 2008 under Article 7; and countries with no established CTC baseline but with CTC consumption reported in 2007 and/or 2008. Except for one country (0.1 ODP tonnes in 2008), all other countries have reported zero consumption of CTC.

9. 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

10. The analysis only includes countries with an established TCA baseline.
11. All countries with a reported TCA baseline but without a TCA phase-out project/plan have reported zero consumption of TCA in 2008.
12. 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.

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## ANNEX III

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### 2009-2011 Phase-out Plan for the Multilateral Fund

*Prepared by the Multilateral Fund Secretariat*

As of the 58th ExCom Meeting (April 2009)  
(Revised: 13 October 2009)

**2009-2012 Phase-out Plan for the Multilateral Fund**

**Amount of ODS to be funded to meet the phase out targets up to 2012 (ODP tonnes)**

ODS	2009	2010	2011	2012	Total
<b>Amount of ODSs to be funded</b>					
CFC in non-LVC countries					
CFC in LVC countries	61.7	-	-	-	61.7
CFC production sector					-
Halon	13.2	-	-	-	13.2
MB (consumption)	4.3	-	-	-	4.3
MB (production)					-
CTC	0.1	-	-	-	0.1
TCA	-	-	-	-	-
<b>Total ODS to be funded</b>	<b>79.4</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>79.4</b>

**Amount of ODS phase-out already approved in principle from multiyear projects (ODP tonnes)**

ODS consumption	14,866.0	1,754.9	332.9	400.3	17,354.1
ODS production	4,814.0	1,178.0	-	26.0	6,018.0
<b>Notes</b>	An additional 1,315.8 ODP tonnes of MB consumption and 176.0 ODP tonnes of MB production would be phased out between 2012 - 2015				

**Total funding already approved in principle for 2009-2012 (US \$)**

Description	2009	2010	2011	2012	Total
<b>Investment projects</b>					
Multiyear agreements (*)	20,402,359	8,384,082	2,996,915	2,954,236	34,737,592
<b>Other funding commitments</b>					
Secretariat/ExCom/Treasurer costs	6,974,927	7,172,944	7,380,862	7,599,176	29,127,909
IS projects	6,284,725	5,294,801	10,949,890	5,294,801	27,824,218
UNEP CAPs	9,444,820	9,728,164	10,020,009	10,320,610	39,513,603
Agencies core unit	5,378,619	5,539,977	5,706,177	5,877,362	22,502,135
Total (other commitments)	28,083,091	27,735,887	34,056,938	29,091,948	118,967,864
<b>Total</b>	<b>48,485,450</b>	<b>36,119,969</b>	<b>37,053,853</b>	<b>32,046,184</b>	<b>153,705,456</b>
<b>Notes</b>	(*) Funding tranches from previous years that have not been requested by some countries have been reallocated in 2009 and subsequent years. An additional US\$3,356,058 has been approved in principle in 2013 - 2014 in multi-year MB phase-out agreements in a few countries				



**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 1. Analysis of CFC consumption in non-LVC countries (ODP tonnes)**

Country	LatestCons	Baseline	50%Base	15%Base	CFCeligible	CFCapproved	CFCnet
(1)	(2)	(3)	(4)=(3)*0.50	(5)=(3)*0.15	(6)	(7)	(8)
<b>Non-LVC countries with an approved terminal CFC phase out plan (Group II)</b>							
Afghanistan	55.2	380.0	190.0	57.0	177.9	177.9	-
Algeria	149.6	2,119.5	1,059.8	317.9	1,052.6	1,052.6	-
Argentina	50.9	4,697.3	2,348.6	704.6	2,609.1	2,128.7	-
Bangladesh	158.3	581.6	290.8	87.2	664.4	260.5	-
Brazil	290.4	10,525.8	5,262.9	1,578.9	6,228.9	5,801.0	-
Chile	47.9	828.7	414.4	124.3	828.7	442.7	-
China	5,832.1	57,818.7	28,909.4	8,672.8	4,745.0	2,395.2	-
Colombia	263.1	2,208.2	1,104.1	331.2	1,456.9	973.3	-
Congo, DR	8.6	665.7	332.8	99.8	386.6	386.8	-
Cuba	74.4	625.1	312.6	93.8	585.7	482.4	-
Dominican Republic	4.5	539.9	269.9	81.0	350.8	329.1	-
Egypt	187.8	1,668.0	834.0	250.2	784.6	754.5	-
India	998.2	6,681.1	3,340.5	1,002.2	2,317.2	2,317.2	-
Indonesia	-	8,332.7	4,166.3	1,249.9	3,951.4	3,576.9	-
Iran	240.6	4,571.7	2,285.8	685.8	2,511.5	2,526.1	-
Iraq	1,597.1	1,517.0	758.5	227.6	1,597.0	1,597.0	-
Jordan	6.0	673.3	336.6	101.0	272.9	202.9	-
Korea, DPR	40.7	441.7	220.8	66.3	291.7	192.7	-
Lebanon	33.8	725.5	362.8	108.8	312.5	312.5	-
Libya	57.5	716.7	358.4	107.5	765.0	147.0	-
Macedonia, FYR	-	519.7	259.9	78.0	97.2	49.3	-
Malaysia	173.7	3,271.1	1,635.5	490.7	1,744.4	1,878.1	-
Mexico	(130.4)	4,624.9	2,312.4	693.7	3,059.5	1,964.2	-
Morocco	-	802.3	401.1	120.3	49.8	31.4	-
Nigeria	16.5	3,650.0	1,825.0	547.5	2,883.3	2,803.0	-
Pakistan	167.4	1,679.4	839.7	251.9	533.9	533.9	-
Panama	11.5	384.2	192.1	57.6	299.2	12.4	-
Philippines	169.4	3,055.9	1,527.9	458.4	2,527.4	1,771.8	-
Romania	-	675.8	337.9	101.4	145.8	145.8	-
Saudi Arabia	657.8	1,798.5	899.3	269.8	269.8	269.8	-
Serbia	76.7	849.2	424.6	127.4	640.1	449.3	-
Sri Lanka	-	445.6	222.8	66.8	348.1	366.1	-
Sudan	44.8	456.8	228.4	68.5	359.2	12.1	-
Syria	166.0	2,224.7	1,112.3	333.7	485.2	485.2	-
Thailand	190.3	6,082.1	3,041.0	912.3	3,396.5	3,094.6	-
Tunisia	12.2	870.1	435.0	130.5	177.8	177.8	-
Turkey	(0.1)	3,805.7	1,902.9	570.9	1,939.3	977.0	-
Venezuela	(114.4)	3,322.4	1,661.2	498.4	2,235.9	1,226.1	-
Vietnam	20.4	500.0	250.0	75.0	242.1	281.5	-
Yemen	247.7	1,796.1	898.0	269.4	852.0	852.0	-
Zimbabwe	7.0	451.4	225.7	67.7	430.2	269.5	-
<b>Total</b>	<b>11,813.2</b>	<b>147,583.6</b>	<b>73,791.8</b>	<b>22,137.5</b>	<b>54,607.0</b>	<b>43,707.9</b>	<b>-</b>

**Explanatory notes to the columns of the Table**

- (1) Non-LVC countries with reported CFC consumption data
- (2) Latest (2007 or 2008) CFC consumption reported to the Ozone Secretariat
- (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

**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 2. Analysis of CFC consumption in LVC countries (ODP tonnes)**

<b>Country</b>	<b>LatestCons</b>	<b>Baseline</b>	<b>50%Base</b>	<b>15%Base</b>	<b>odp2010</b>
(1)	(2)	(3)	(4)=(3)*0.50	(5)=(3)*0.85	(6)
<b>LVC countries with no RMP (Group I)</b>					
Somalia	20.0	241.4	120.7	36.2	36.2
Timor Leste					
<b>Subtotal</b>	20.0	241.4	120.7	36.2	36.2
<b>LVC countries with RMP/RMP update approved in accordance to decision 31/48 (Group II)</b>					
Angola	17.0	114.8	57.4	17.2	17.2
Barbados	1.1	21.5	10.8	3.2	3.2
Ethiopia	4.3	33.8	16.9	5.1	5.1
<b>Subtotal</b>	22.4	170.1	85.1	25.5	25.5
<b>Total</b>	42.4	411.5	205.7	61.7	61.7
<b>Explanatory notes to the columns of the Table</b>					
(1) LVC countries					
(2) Latest (2007 or 2008) CFC consumption reported to the Ozone Secretariat					
(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)					

**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 2 (cont.). Analysis of CFC consumption in LVC countries (ODP tonnes)**

Country	LatestCons	Baseline	50%Base	15%Base	odp2010
(1)	(2)	(3)	(4)=(3)*0.50	(5)=(3)*0.85	(6)
<b>LVC countries with total CFC phase-out plans (Group III)</b>					
Albania	-	40.8	20.4	6.1	-
Antigua and Barbuda	0.1	10.7	5.4	1.6	-
Armenia(*)	13.6	196.5	98.3	29.5	-
Bahamas	-	64.9	32.4	9.7	-
Bahrain	11.7	135.4	67.7	20.3	-
Belize	-	24.4	12.2	3.7	-
Benin	5.2	59.9	30.0	9.0	-
Bhutan	-	0.2	0.1	0.0	-
Bolivia	2.4	75.7	37.9	11.4	-
Bosnia and Herzegovina	8.8	24.2	12.1	3.6	-
Botswana	0.6	6.8	29.5	8.9	-
Brunei Darussalam	2.4	78.2	39.1	11.7	-
Burkina Faso	-	36.3	18.1	5.4	-
Burundi	3.1	59.0	29.5	8.9	-
Cambodia	1.4	94.2	47.1	14.1	-
Cameroon	17.0	256.9	128.4	38.5	-
Cape Verde	-	2.3	1.2	0.3	-
Central African Republic	-	11.3	5.7	1.7	-
Chad	2.2	34.6	17.3	5.2	-
Comoros	-	2.5	1.3	0.4	-
Congo	3.5	11.9	6.0	1.8	-
Cook Islands	-	1.7	0.9	0.3	-
Costa Rica	13.9	250.2	125.1	37.5	-
Cote D'Ivoire	35.5	294.2	147.1	44.1	-
Croatia	-	219.3	109.7	32.9	-
Djibouti	0.9	21.0	10.5	3.2	-
Dominica	-	1.5	0.7	0.2	-
Ecuador	8.2	301.4	150.7	45.2	-
El Salvador	-	306.6	153.3	46.0	-
Equatorial Guinea	2.3	31.5	15.8	4.7	-
Eritrea	2.8	41.2	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	11.2	3.4	-
Ghana	-	35.8	17.9	5.4	-
Grenada	-	6.0	3.0	0.9	-
Guatemala	1.4	224.6	112.3	33.7	-
Guinea	2.9	42.4	21.2	6.4	-
Guinea-Bissau	1.4	26.3	13.2	3.9	-
Guyana	-	53.2	26.6	8.0	-
Haiti	2.3	169.0	84.5	25.4	-
Honduras	23.4	331.6	165.8	49.7	-
Jamaica	-	93.2	46.6	14.0	-
Kenya	7.5	239.5	119.7	35.9	-
Kiribati	-	0.7	0.4	0.1	-
Kuwait	33.0	480.4	240.2	72.1	-
Kyrgyzstan	5.0	72.9	36.4	10.9	-
Lao, PDR	2.0	43.3	21.7	6.5	-
Lesotho	-	5.1	2.6	0.8	-
Liberia	0.6	56.1	28.1	8.4	-
Madagascar	0.8	47.9	24.0	7.2	-
Malawi	-	57.7	28.9	8.7	-
Maldives	-	4.6	2.3	0.7	-
Mali	11.0	108.1	54.1	16.2	-

**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 2 (cont.). Analysis of CFC consumption in LVC countries (ODP tonnes)**

Country	LatestCons	Baseline	50%Base	15%Base	odp2010
(1)	(2)	(3)	(4)=(3)*0.50	(5)=(3)*0.85	(6)
Marshall Islands	-	1.2	0.6	0.2	-
Mauritania	1.0	15.7	7.9	2.4	-
Mauritius	-	29.1	14.6	4.4	-
Micronesia	0.5	1.2	0.6	0.2	-
Moldova	-	73.3	36.7	11.0	-
Mongolia	0.4	10.6	5.3	1.6	-
Montenegro	0.1	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	10.9	3.3	-
Nauru	-	0.5	0.3	0.1	-
Nepal	-	27.0	13.5	4.1	-
Nicaragua	-	82.8	41.4	12.4	-
Niger	2.9	32.0	16.0	4.8	-
Niue	-	0.1	0.0	0.0	-
Oman	8.5	248.4	124.2	37.3	-
Palau	0.1	1.6	0.8	0.2	-
Papua New Guinea	(1.6)	36.3	18.1	5.4	-
Paraguay	27.3	210.6	105.3	31.6	-
Peru	-	289.5	144.8	43.4	-
Qatar	13.0	101.4	50.7	15.2	-
Rwanda	1.2	30.4	15.2	4.6	-
Saint Kitts and Nevis	-	3.7	1.8	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	0.4	4.7	2.4	0.7	-
Senegal	15.0	155.8	77.9	23.4	-
Seychelles	-	2.8	1.4	0.4	-
Sierra Leone	4.2	78.6	39.3	11.8	-
Solomon Islands	-	2.0	1.0	0.3	-
Suriname	-	41.3	20.7	6.2	-
Swaziland	-	24.6	12.3	3.7	-
Tanzania	13.9	253.9	127.0	38.1	-
Togo	3.2	39.8	19.9	6.0	-
Tonga	-	1.3	0.7	0.2	-
Trinidad and Tobago	-	120.0	60.0	18.0	-
Turkmenistan(*)	1.2	37.3	18.7	5.6	-
Tuvalu	-	0.3	0.2	0.0	-
Uganda	-	12.8	6.4	1.9	-
Uruguay	26.4	199.1	99.6	29.9	-
Vanuatu	0.3	-	-	-	-
Zambia	2.0	27.4	13.7	4.1	-
<b>Total</b>	<b>349.6</b>	<b>7,294.5</b>	<b>3,673.4</b>	<b>1,102.0</b>	<b>-</b>

**Explanatory notes to the columns of the Table**

- (1) LVC countries
- (2) Latest (2007 or 2008) CFC consumption reported to the Ozone Secretariat
- (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

**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 3. Analysis of halon consumption (ODP tonnes)**

<b>Country</b>	<b>Baseline</b>	<b>2006Cons</b>	<b>2007Cons</b>	<b>2008Cons</b>	<b>50%Base</b>	<b>odp2010</b>
(1)	(2)	(3)	(4)	(5)	(6)=(2)*0.5	(7)
<b>Countries with a halon baseline that might need assistance to achieve the 2010 phase-out target(Group I)</b>						
Somalia	17.7	18.8	13.2		8.9	13.2
<b>Subtotal</b>	17.7	18.8	13.2	-	8.9	13.2
<b>Countries with a halon baseline and no current consumption (Group II)</b>						
Afghanistan	1.9	-	-	-	1.0	
Antigua and Barbuda	0.3	-	-	-	0.1	
Bhutan	0.3	-	-	-	0.1	
Ecuador	5.5	-	-	-	2.7	
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	
Sudan	2.0	-	-	-	1.0	
<b>Subtotal</b>	42.9	-	-	-	21.5	
<b>Total</b>	60.6	18.8	13.2	-	30.3	13.2

**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
- (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)

2009-2012 Phase-out Plan for the Multilateral Fund  
Table 3 (cont.). Analysis of halon consumption (ODP tonnes)

Country	Baseline	2006Cons	2007Cons	2008Cons	50%Base	odp2010
(1)	(2)	(3)	(4)	(5)	(6)=(2)*0.5	(7)
<b>Countries with approved halon banking and/or halon phase-out project (Group III)</b>						
Algeria	237.3	80.0	67.0	67.0	118.7	
Argentina	167.8	-	0.3	-	83.9	
Bahamas	-	-	-	-	-	
Bahrain	38.9	-	-	-	19.4	
Barbados	-	-	-	-	-	
Benin	3.9	-	-	-	2.0	
Bosnia and Herzegovina	4.1	-	-	-	2.1	
Botswana	5.2	0.3	0.6	-	2.6	
Brazil	21.3	2.0	1.6	-	10.7	
Burkina Faso	5.3	-	-	-	2.7	
Cameroon	2.4	1.2	1.0	1.0	1.2	
Chile	8.5	-	-	-	4.3	
China	34,186.7	161.0	594.5	-	17,093.3	
Colombia	187.7	-	-	-	93.8	
Congo	5.0	-	-	-	2.5	
Congo, DR	218.7	6.8	2.6	-	109.3	
Croatia	30.1	-	-	-	15.1	
Dominican Republic	4.2	-	-	-	2.1	
Egypt	705.0	44.0	-	-	352.5	
Equatorial Guinea	28.3	1.0	1.0	-	14.2	
Eritrea	2.3	-	-	-	1.2	
Ethiopia	1.1	0.1	-	-	0.5	
Georgia	42.5	-	-	-	21.3	
Grenada	-	-	-	-	-	
Guinea	8.6	-	-	-	4.3	
Guyana	0.2	-	-	-	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	56.6	29.0	39.1	35.2	
Jamaica	1.0	-	-	-	0.5	
Jordan	210.0	36.0	-	30.4	105.0	
Kenya	5.3	-	-	-	2.7	
Kyrgyzstan	-	-	-	-	-	
Lebanon	-	-	-	-	-	
Lesotho	0.2	-	-	-	0.1	
Libya	633.1	304.5	291.5	-	316.5	
Macedonia, FYR	32.1	-	-	-	16.0	
Malaysia	8.0	-	-	-	4.0	
Mexico	124.6	51.6	-	-	62.3	
Montenegro	2.3	-	-	-	1.2	
Namibia	8.3	-	-	-	4.1	
Nigeria	285.3	-	-	-	142.7	
Oman	13.7	-	-	-	6.8	
Pakistan	14.2	-	-	-	7.1	
Philippines	103.9	-	-	-	52.0	
Qatar	10.7	-	-	-	5.3	
Romania	3.5	-	-	-	1.7	
Saudi Arabia	1,064.0	-	-	-	532.0	
Serbia	3.8	-	-	1.8	1.9	
Sierra Leone	16.0	-	-	-	8.0	
Sri Lanka	-	-	-	-	-	
Syria	416.9	56.0	-	-	208.4	
Tanzania	0.3	-	-	-	0.2	
Thailand	271.7	-	-	-	135.8	
Trinidad and Tobago	46.6	-	-	-	23.3	
Tunisia	104.3	-	-	-	52.2	
Turkey	141.0	30.0	14.3	-	70.5	
Vietnam	37.1	-	-	-	18.5	
Yemen	140.0	1.2	0.7	0.6	70.0	
Zimbabwe	1.5	-	-	-	0.8	
<b>Total</b>	<b>42,709.6</b>	<b>832.3</b>	<b>1,004.1</b>	<b>139.9</b>	<b>21,354.8</b>	<b>-</b>
<b>Explanatory notes to the columns of the Table</b>						
(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						
(6) Allowable halon consumption in 2005 = (3) *0.5						
(7) Amount of halon to be phased out to achieve the 2010 control level						

**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 4. Analysis of MB consumption (ODP tonnes)**

<b>Country</b>	<b>LatestCons</b>	<b>Baseline</b>	<b>80%Base</b>	<b>odp2010</b>
(1)	(2)	(3)	(4)=(3)*0.80	(5)
<b>Countries that have not received assistance to achieve the 2005 MB phase out target (Group I)</b>				
Bahamas	-	0.2	0.1	0.0
Barbados	-	0.1	0.1	0.0
Guyana	-	1.4	1.1	0.3
Iraq	5.0	4.6	3.7	0.9
Mozambique	0.4	3.4	2.7	0.7
Tunisia (*)	6.6	8.3	6.6	1.7
Turkmenistan	9.0	3.6	2.9	0.7
Vanuatu	0.4	0.2	0.2	0.0
<b>Total</b>	21.4	21.7	17.3	4.3
<b>Explanatory notes to the columns of the Table</b>				
(1) Article 5 countries				
(2) Latest (2007 or 2008) MB consumption reported to the Ozone Secretariat				
(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				

2009-2012 Phase-out Plan for the Multilateral Fund  
Table 4 (cont.). Analysis of MB consumption (ODP tonnes)

Country	LatestCons	Baseline	80%Base	RemUnfunded	odp2010
(1)	(2)	(3)	(4)=(3)*0.80	(5)	(6)
<b>Countries with approved projects that would as a minimum enable compliance with the 2005 MB limit (Group II)</b>					
Algeria	2.0	4.8	3.8	2.0	
Argentina	282.4	411.3	329.0	18.0	
Chile	164.4	212.5	170.0	170.0	
Congo	-	0.9	0.7	0.7	
Congo, DR	-	1.4	1.2	1.1	
Ecuador	51.0	66.2	53.0	14.1	
Guatemala	173.0	400.7	320.6	320.6	
Kenya	10.2	217.5	174.0	14.0	
Nigeria	-	2.8	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	
<b>Subtotal</b>	<b>684.8</b>	<b>1,801.5</b>	<b>1,441.2</b>	<b>566.0</b>	
<b>Countries with approved projects for complete phase out of MB (Group III)</b>					
Bolivia	-	0.6	0.5		
Bosnia and Herzegovina	-	3.5	2.8		
Botswana	-	0.1	0.1		
Brazil	-	711.6	569.3		
Cambodia	-	-	-		
Cameroon	3.3	18.1	14.5		
China (*)	384.1	1,102.1	881.6	100.0	
Colombia	-	110.1	88.1		
Costa Rica	212.4	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	186.0	238.1	190.4		
El Salvador	(13.8)	-	3.8		
Fiji	0.1	0.7	0.6		
Georgia	-	13.7	10.9		
Honduras	172.2	259.4	207.5		
Indonesia	-	40.7	32.5		
Iran	3.6	26.7	21.4		
Jamaica	1.6	4.9	3.9		
Jordan	-	176.3	141.0		
Korea, DPR	-	30.0	24.0		
Kyrgyzstan	-	14.2	11.3		
Lebanon	-	236.4	189.1		
Libya	67.6	94.1	75.3		
Macedonia, FYR	-	12.2	9.8		
Madagascar	-	2.6	2.1		
Malawi	-	112.7	90.2		
Malaysia	8.2	14.6	11.7		
Mauritius	-	0.1	0.1		
Mexico	819.9	1,130.8	904.6		
Moldova	-	7.0	5.6		
Morocco	161.8	697.2	557.8		
Nicaragua	-	0.4	0.3		
Oman	-	1.0	0.8		
Pakistan	-	14.0	11.2		
Papua New Guinea	-	0.3	0.3		
Paraguay	-	0.9	0.7		
Peru	-	1.3	1.0		
Philippines	1.8	10.3	8.3		
Romania	-	111.5	89.2		
Saint Kitts and Nevis	-	0.3	0.2		
Saudi Arabia	55.5	204.1	163.3		
Senegal	-	53.2	42.5		
Sierra Leone	-	2.6	2.1		
Sri Lanka	1.2	4.1	3.3		
Syria	27.0	188.6	150.8		
Thailand	106.7	183.0	146.4		
Trinidad and Tobago	0.4	1.7	1.4		
Uganda	-	6.3	5.0		
Uruguay	8.4	11.2	9.0		
Venezuela	-	10.3	8.2		
Vietnam	83.4	136.5	109.2		
Yemen	29.8	54.5	43.6		
Zambia	4.2	29.3	163.3		
Zimbabwe	21.6	557.0	445.6		
<b>Subtotal</b>	<b>2,347.0</b>	<b>7,161.5</b>	<b>5,872.9</b>	<b>100.0</b>	<b>-</b>
<b>Total</b>	<b>3,031.8</b>	<b>8,963.0</b>	<b>7,314.1</b>	<b>666.0</b>	<b>-</b>

**Explanatory notes to the columns of the Table**

- (1) Article 5 countries  
(2) Latest (2007 or 2008) MB consumption reported to the Ozone Secretariat  
(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



**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 4 (cont.). Analysis of MB consumption (ODP tonnes)**

Country	LatestCons	Baseline	80%base	odp2010
(1)	(2)	(3)	(4)=(3)*0.80	(5)
<b>Countries with MB baseline equal to zero, or no calculated baseline or with no current consumption (Group IV)</b>				
Afghanistan	-	-		
Albania	-	-		
Antigua and Barbuda	-	-		
Armenia(*)	-	-		
Bahrain	-	-		
Bangladesh	-	-		
Belize	-	-		
Benin	-	-		
Brunei Darussalam	-	-		
Burkina Faso	-	-		
Burundi	-	-		
Central African Republic	-	-		
Chad	-	-		
Comoros	-	-		
Djibouti	-	-		
Dominica	-	-		
Equatorial Guinea	-	-		
Eritrea	-	0.5		
Gabon	-	-		
Gambia	-	-		
Ghana	-	-		
Guinea-Bissau	-	-		
Haiti	-	-		
India	-	-		
Kiribati	-	-		
Kuwait	-	-		
Lao, PDR	-	-		
Maldives	-	-		
Mali	-	-		
Mauritania	-	-		
Mongolia	-	-		
Myanmar	-	3.4	2.7	
Namibia	-	0.8	0.6	
Nauru	-	-		
Niger	-	-		
Palau	-	-		
Panama	-	-		
Qatar	-	-		
Rwanda	-	-		
Saint Vincent and the Grenadines	-	-		
Samoa	-	-		
Sao Tome and Principe	-	-		
Serbia	-	-		
Seychelles	-	-		
Solomon Islands	-	-		
Somalia	-	0.5	0.4	
Suriname	-	-		
Tanzania	-	-		
Timor Leste	-	-		
Togo	-	-		
Tonga	-	0.2	0.1	
Tuvalu	-	-		
<b>Countries that are not yet Parties to the Copenhagen Amendment (Group V)</b>				
Angola	-	-	-	
Ethiopia	0.1	15.6	12.5	
Guinea	-	-	-	
Lesotho	-	0.1	0.1	
Nepal	-	-	-	
<b>Explanatory notes to the columns of the Table</b>				
(1) Article 5 countries				
(2) Latest (2007 or 2008) MB consumption reported to the Ozone Secretariat				
(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				

2009-2012 Phase-out Plan for the Multilateral Fund  
Table 5. Analysis of CTC consumption (ODP tonnes)

Country	Baseline	2006Cons	2007Cons	2008Cons	15%Base	odp2010
(1)	(2)	(3)	(4)	(5)	(6)=(2)*0.8	(7)
<b>Countries that have not received assistance to achieve the 2005 CTC phase out target (Group I)</b>						
Bahamas	-	-	-	-	-	-
Dominican Republic	29.0	-	-	-	24.7	-
Ecuador	0.5	-	-	0.1	0.4	0.1
Guatemala	10.6	-	-	-	9.0	-
Liberia	0.2	-	-	-	0.2	-
Macedonia, FYR	0.1	-	-	-	0.1	-
Peru	1.0	-	-	-	0.9	-
<b>Subtotal</b>	<b>41.4</b>	<b>-</b>	<b>-</b>	<b>0.1</b>	<b>35.2</b>	<b>0.1</b>
<b>Countries with an approved CTC phase out plan/project (Group II)</b>						
Afghanistan	0.9	0.1	-	-	-	-
Albania	3.1	-	-	-	-	-
Algeria	20.9	2.2	2.0	2.0	-	-
Argentina	187.2	9.9	13.0	(52.8)	-	-
Bahrain	0.7	-	-	-	-	-
Bangladesh	5.7	0.1	0.1	0.1	-	-
Bolivia	0.3	0.2	0.2	-	-	-
Brazil	411.6	0.1	50.3	(11.0)	-	-
Cambodia	-	-	-	-	-	-
Chile	0.6	(0.1)	0.7	-	-	-
China	49,142.1	774.4	265.1	-	-	-
Colombia	6.1	0.7	0.6	-	-	-
Congo	0.6	-	-	-	-	-
Congo, DR	15.3	16.5	2.2	-	-	-
Croatia	3.9	(1.0)	(0.5)	0.2	-	-
Cuba	2.7	-	0.8	-	-	-
Egypt	38.5	5.5	-	-	-	-
Ethiopia	-	0.1	-	-	-	-
Ghana	0.4	-	-	-	-	-
India	11,505.4	1,127.5	707.3	-	-	-
Indonesia	-	-	1.1	-	-	-
Iran	77.0	11.0	-	-	-	-
Iraq	21.4	6.0	6.0	4.6	-	-
Jamaica	2.8	-	-	-	-	-
Jordan	40.3	1.1	0.7	0.4	-	-
Kenya	65.9	0.3	0.1	0.1	-	-
Korea, DPR	1,285.2	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Madagascar	-	-	-	-	-	-
Malaysia	4.5	-	-	-	-	-
Mexico	62.5	0.1	79.1	88.0	-	-
Montenegro	1.1	0.1	-	-	-	-
Morocco	1.1	0.1	-	-	-	-
Nepal	0.9	0.1	0.1	0.1	-	-
Nigeria	152.8	-	-	-	-	-
Oman	0.1	-	-	-	-	-
Pakistan	412.9	41.8	-	-	-	-
Paraguay	0.6	-	0.1	-	-	-
Romania	368.6	42.0	-	-	-	-
Saint Vincent/Grenadines	-	-	-	-	-	-
Saudi Arabia	259.2	-	5.5	-	-	-
Serbia	18.8	1.4	1.1	2.1	-	-
Sierra Leone	2.6	-	0.1	0.2	-	-
Sri Lanka	35.1	-	-	-	-	-
Sudan	2.2	-	-	-	-	-
Tanzania	0.1	-	-	-	-	-
Thailand	7.5	-	-	-	-	-
Tunisia	2.9	-	-	-	-	-
Turkey	105.1	0.9	-	-	-	-
Uganda	0.4	-	-	-	-	-
Uruguay	0.4	-	-	-	-	-
Venezuela(*)	1,107.2	(140.3)	-	-	-	-
Vietnam	1.6	-	-	-	-	-
Zambia	0.7	-	-	-	-	-
Zimbabwe	11.6	-	-	-	-	-
<b>Subtotal</b>	<b>65,399.1</b>	<b>1,900.8</b>	<b>1,135.7</b>	<b>34.0</b>	<b>-</b>	<b>-</b>
<b>Total</b>	<b>65,440.5</b>	<b>1,900.8</b>	<b>1,135.7</b>	<b>34.1</b>	<b>35.2</b>	<b>0.1</b>

**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  
(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

**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 6. Analysis of TCA consumption (ODP tonnes)**

Country	Baseline	2006Cons	2007Cons	2008Cons	15%Base	odp2010
(1)	(2)	(3)	(4)	(5)	(6)=(2)*0.3	(7)
<b>Countries that have not received assistance to achieve the 2005 TCA phase out target (Group I)</b>						
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	-
<b>Subtotal</b>	<b>225.8</b>	<b>-</b>	<b>0.1</b>	<b>-</b>	<b>158.1</b>	<b>-</b>
<b>Countries with an approved TCA phase out plan/project (Group II)</b>						
Albania	-	-	-	-	-	-
Algeria	5.8	4.0	4.0	3.0	-	-
Argentina	65.7	15.3	17.4	17.4	-	-
Bahrain	22.7	-	-	-	-	-
Bangladesh	0.9	0.5	0.5	0.5	-	-
Bosnia and Herzegovina	1.5	-	-	-	-	-
Burundi	0.1	-	-	-	-	-
Cambodia	0.5	0.3	0.3	-	-	-
Cameroon	8.2	0.6	-	-	-	-
Chile	6.4	4.5	3.5	-	-	-
China	721.2	279.9	251.1	-	-	-
Congo, DR	4.8	4.0	3.3	-	-	-
Egypt	26.0	12.5	-	-	-	-
Ethiopia	0.5	-	-	-	-	-
Indonesia	13.3	-	-	-	-	-
Iran	8.7	4.0	0.5	1.5	-	-
Iraq	-	-	-	-	-	-
Jamaica	1.4	-	-	-	-	-
Jordan	18.2	2.2	0.1	-	-	-
Kenya	1.1	0.1	0.1	0.1	0.8	0.8
Kuwait	-	-	-	-	-	-
Malaysia	49.5	5.1	5.8	5.8	-	-
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	-	-	-
Sri Lanka	3.0	-	-	-	-	-
Sudan	-	-	-	-	-	-
Thailand	54.6	-	-	-	-	-
Tunisia	0.1	-	-	-	-	-
Turkey	37.4	-	-	-	-	-
Venezuela	4.7	-	-	-	-	-
Vietnam	0.2	-	-	-	-	-
Yemen	0.9	-	-	-	-	-
Zambia	0.1	-	-	-	-	-
Zimbabwe	-	-	-	-	-	-
<b>Subtotal</b>	<b>1,122.7</b>	<b>333.0</b>	<b>286.8</b>	<b>28.3</b>	<b>2.4</b>	<b>1.6</b>
<b>Total</b>	<b>1,348.5</b>	<b>333.0</b>	<b>286.9</b>	<b>28.3</b>	<b>160.4</b>	<b>1.6</b>

**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

(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





**2009-2012 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)
<b>Group I</b>								
Afghanistan	1.31	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Albania	0.54	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Angola	0.73	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Antigua and Barbuda	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Armenia	0.60	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Bahamas	0.38	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Barbados	1.70	1.41	1.41	1.41	1.41	1.41	1.41	1.41
Bahrain	49.91	20.40	20.40	20.40	20.40	20.40	20.40	20.40
Belize	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Benin	0.17	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Bhutan	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Botswana	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Brunei Darussalam	1.57	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Burkina Faso	0.21	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Burundi	2.72	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Cambodia	0.21	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Cape Verde	1.17	0.47	0.47	0.47	0.47	0.47	0.47	0.47
Central African Republic	0.09	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Chad	0.61	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Comoros	(0.01)	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Congo	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cook Islands	(0.10)	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cote d'Ivoire	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Djibouti	1.01	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Dominica	0.10	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Dominican Republic	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Ecuador	9.03	3.22	3.22	3.22	3.22	3.22	3.22	3.22
Equatorial Guinea	1.61	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Eritrea	0.50	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Ethiopia	0.24	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Fiji	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gabon	0.54	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Gambia	0.63	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Georgia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ghana	0.59	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Grenada	3.30	1.28	1.28	1.28	1.28	1.28	1.28	1.28
Guinea	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Guinea-Bissau	0.17	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Guyana	0.07	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Haiti	0.04	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Iraq	(1.41)	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)
Jamaica	20.49	6.28	6.28	6.28	6.28	6.28	6.28	6.28
Kiribati	(0.56)	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Korea, DPR	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Lao, PDR	6.43	1.99	1.99	1.99	1.99	1.99	1.99	1.99
Lesotho	0.24	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Liberia	1.42	0.46	0.46	0.46	0.46	0.46	0.46	0.46
Libya	0.25	0.11	0.11	0.11	0.11	0.11	0.11	0.11

**2009-2012 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)
<b>Group I</b>								
Afghanistan	1.31	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Macedonia, FYR	6.76	2.14	2.14	2.14	2.14	2.14	2.14	2.14
Madagascar	(0.80)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Malawi	0.34	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Maldives	0.77	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Mali	0.46	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Marshall Islands	(0.02)	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Mauritania	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Mauritius	0.45	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Micronesia	0.50	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Moldova, Rep	(0.04)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mongolia	0.41	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Montenegro	0.18	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Mozambique	0.13	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Myanmar	0.25	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Namibia	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Nauru	1.27	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Nepal	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Nicaragua	0.17	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Niger	0.01	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Oman	(0.01)	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Palau	2.87	1.28	1.28	1.28	1.28	1.28	1.28	1.28
Papua New Guinea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Qatar	0.41	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Rwanda	3.33	1.37	1.37	1.37	1.37	1.37	1.37	1.37
Saint Kitts and Nevis	0.25	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Saint Lucia	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Saint Vincent and the Grenadines	0.02	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Samoa	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Sao Tome and Principe	(0.03)	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Senegal	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Seychelles	0.85	0.47	0.47	0.47	0.47	0.47	0.47	0.47
Sierra Leone	(10.31)	(0.83)	(0.83)	(0.83)	(0.83)	(0.83)	(0.83)	(0.83)
Solomon Islands	(0.01)	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Somalia	(0.15)	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Suriname	0.83	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Tanzania	(0.20)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Togo	0.27	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Tonga	0.73	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Trinidad and Tobago	(0.00)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turkmenistan	8.20	3.45	3.45	3.45	3.45	3.45	3.45	3.45
Tuvalu	0.90	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Uganda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zambia	(0.14)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Zimbabwe	0.07	0.04	0.04	0.04	0.04	0.04	0.04	0.04
<b>Subtotal</b>	125.74	52.91	52.91	52.91	52.91	52.91	52.91	52.91
Cuba	0.98	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Guatemala	1.61	0.89	0.89	0.89	0.89	0.89	0.89	0.89

**2009-2012 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)
<b>Group I</b>								
Afghanistan	1.31	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Kenya	1.05	0.52	0.52	0.52	0.52	0.52	0.52	0.52
Lebanon	7.06	2.99	2.99	2.99	2.99	2.99	2.99	2.99
Panama	1.50	1.17	1.17	1.17	1.17	1.17	1.17	1.17
Peru	2.74	1.34	1.34	1.34	1.34	1.34	1.34	1.34
Saudi Arabia	5.50	1.92	1.92	1.92	1.92	1.92	1.92	1.92
Serbia	145.89	51.27	51.27	51.27	51.27	51.27	51.27	51.27
Sri Lanka	0.97	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Tunisia	1.32	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Uruguay	2.65	2.02	2.02	2.02	2.02	2.02	2.02	2.02
Yemen	2.22	1.01	1.01	1.01	1.01	1.01	1.01	1.01
<b>Subtotal</b>	<b>173.49</b>	<b>64.99</b>	<b>64.99</b>	<b>64.99</b>	<b>64.99</b>	<b>64.99</b>	<b>64.99</b>	<b>64.99</b>
Algeria	18.76	7.67	7.67	7.67	7.67	7.67	7.67	7.67
Argentina	1.35	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Bangladesh	8.40	2.69	2.69	2.69	2.69	2.69	2.69	2.69
Bolivia	0.54	0.27	0.27	0.27	0.27	0.27	0.27	0.27
Bosnia and Herzegovina	1.28	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Brazil	205.66	81.69	81.69	81.69	81.69	81.69	81.69	81.69
Cameroon	2.36	0.78	0.78	0.78	0.78	0.78	0.78	0.78
Chile	10.42	4.77	4.77	4.77	4.77	4.77	4.77	4.77
Colombia	19.95	12.08	12.08	12.08	12.08	12.08	12.08	12.08
Costa Rica	1.22	0.68	0.68	0.68	0.68	0.68	0.68	0.68
Croatia	0.01	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Egypt	55.78	20.39	20.39	20.39	20.39	20.39	20.39	20.39
El Salvador	3.67	1.30	1.30	1.30	1.30	1.30	1.30	1.30
Honduras	2.21	1.00	1.00	1.00	1.00	1.00	1.00	1.00
India	244.84	86.20	86.20	86.20	86.20	86.20	86.20	86.20
Indonesia	25.76	18.87	18.87	18.87	18.87	18.87	18.87	18.87
Iran	22.35	12.36	12.36	12.36	12.36	12.36	12.36	12.36
Jordan	6.53	2.96	2.96	2.96	2.96	2.96	2.96	2.96
Kuwait	45.56	20.15	20.15	20.15	20.15	20.15	20.15	20.15
Kyrgyzstan	0.75	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Malaysia	32.92	20.54	20.54	20.54	20.54	20.54	20.54	20.54
Mexico	172.79	63.88	63.88	63.88	63.88	63.88	63.88	63.88
Morocco	7.60	2.78	2.78	2.78	2.78	2.78	2.78	2.78
Nigeria	25.32	9.16	9.16	9.16	9.16	9.16	9.16	9.16
Pakistan	25.19	8.59	8.59	8.59	8.59	8.59	8.59	8.59
Paraguay	1.11	0.43	0.43	0.43	0.43	0.43	0.43	0.43
Philippines	21.38	11.44	11.44	11.44	11.44	11.44	11.44	11.44
South Africa	42.69	19.13	19.13	19.13	19.13	19.13	19.13	19.13
Sudan	4.66	1.31	1.31	1.31	1.31	1.31	1.31	1.31
Swaziland	0.71	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Syria	10.22	4.30	4.30	4.30	4.30	4.30	4.30	4.30
Thailand	25.14	43.70	43.70	43.70	43.70	43.70	43.70	43.70
Turkey	133.16	51.61	51.61	51.61	51.61	51.61	51.61	51.61
Venezuela	13.86	8.08	8.08	8.08	8.08	8.08	8.08	8.08
Vietnam	21.46	10.57	10.57	10.57	10.57	10.57	10.57	10.57
<b>Subtotal</b>	<b>1,215.62</b>	<b>531.15</b>	<b>531.15</b>	<b>531.15</b>	<b>531.15</b>	<b>531.15</b>	<b>531.15</b>	<b>531.15</b>



**2009-2012 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)
<b>Group I</b>								
Afghanistan	1.31	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Albania	0.54	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Angola	0.73	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Antigua and Barbuda	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Armenia	0.60	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Bahamas	0.38	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Barbados	1.70	1.41	1.41	1.41	1.41	1.41	1.41	1.41
Bahrain	49.91	20.40	20.40	20.40	20.40	20.40	20.40	20.40
Belize	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Benin	0.17	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Bhutan	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Botswana	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Brunei Darussalam	1.57	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Burkina Faso	0.21	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Burundi	2.72	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Cambodia	0.21	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Cape Verde	1.17	0.47	0.47	0.47	0.47	0.47	0.47	0.47
Central African Republic	0.09	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Chad	0.61	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Comoros	(0.01)	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Congo	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cook Islands	(0.10)	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cote d'Ivoire	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Djibouti	1.01	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Dominica	0.10	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Dominican Republic	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Ecuador	9.03	3.22	3.22	3.22	3.22	3.22	3.22	3.22
Equatorial Guinea	1.61	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Eritrea	0.50	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Ethiopia	0.24	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Fiji	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gabon	0.54	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Gambia	0.63	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Georgia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ghana	0.59	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Grenada	3.30	1.28	1.28	1.28	1.28	1.28	1.28	1.28
Guinea	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Guinea-Bissau	0.17	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Guyana	0.07	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Haiti	0.04	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Iraq	(1.41)	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)
Jamaica	20.49	6.28	6.28	6.28	6.28	6.28	6.28	6.28
Kiribati	(0.56)	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Korea, DPR	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Lao, PDR	6.43	1.99	1.99	1.99	1.99	1.99	1.99	1.99
Lesotho	0.24	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Liberia	1.42	0.46	0.46	0.46	0.46	0.46	0.46	0.46
Libya	0.25	0.11	0.11	0.11	0.11	0.11	0.11	0.11

**2009-2012 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)
<b>Group I</b>								
Afghanistan	1.31	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Macedonia, FYR	6.76	2.14	2.14	2.14	2.14	2.14	2.14	2.14
Madagascar	(0.80)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Malawi	0.34	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Maldives	0.77	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Mali	0.46	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Marshall Islands	(0.02)	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Mauritania	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Mauritius	0.45	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Micronesia	0.50	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Moldova, Rep	(0.04)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mongolia	0.41	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Montenegro	0.18	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Mozambique	0.13	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Myanmar	0.25	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Namibia	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Nauru	1.27	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Nepal	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Nicaragua	0.17	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Niger	0.01	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Oman	(0.01)	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Palau	2.87	1.28	1.28	1.28	1.28	1.28	1.28	1.28
Papua New Guinea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Qatar	0.41	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Rwanda	3.33	1.37	1.37	1.37	1.37	1.37	1.37	1.37
Saint Kitts and Nevis	0.25	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Saint Lucia	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Saint Vincent and the Grenadines	0.02	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
Samoa	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Sao Tome and Principe	(0.03)	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Senegal	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Seychelles	0.85	0.47	0.47	0.47	0.47	0.47	0.47	0.47
Sierra Leone	(10.31)	(0.83)	(0.83)	(0.83)	(0.83)	(0.83)	(0.83)	(0.83)
Solomon Islands	(0.01)	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Somalia	(0.15)	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Suriname	0.83	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Tanzania	(0.20)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Togo	0.27	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Tonga	0.73	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Trinidad and Tobago	(0.00)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turkmenistan	8.20	3.45	3.45	3.45	3.45	3.45	3.45	3.45
Tuvalu	0.90	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Uganda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zambia	(0.14)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Zimbabwe	0.07	0.04	0.04	0.04	0.04	0.04	0.04	0.04
<b>Subtotal</b>	125.74	52.91	52.91	52.91	52.91	52.91	52.91	52.91
Cuba	0.98	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Guatemala	1.61	0.89	0.89	0.89	0.89	0.89	0.89	0.89

**2009-2012 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)
<b>Group I</b>								
Afghanistan	1.31	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Kenya	1.05	0.52	0.52	0.52	0.52	0.52	0.52	0.52
Lebanon	7.06	2.99	2.99	2.99	2.99	2.99	2.99	2.99
Panama	1.50	1.17	1.17	1.17	1.17	1.17	1.17	1.17
Peru	2.74	1.34	1.34	1.34	1.34	1.34	1.34	1.34
Saudi Arabia	5.50	1.92	1.92	1.92	1.92	1.92	1.92	1.92
Serbia	145.89	51.27	51.27	51.27	51.27	51.27	51.27	51.27
Sri Lanka	0.97	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Tunisia	1.32	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Uruguay	2.65	2.02	2.02	2.02	2.02	2.02	2.02	2.02
Yemen	2.22	1.01	1.01	1.01	1.01	1.01	1.01	1.01
<b>Subtotal</b>	<b>173.49</b>	<b>64.99</b>	<b>64.99</b>	<b>64.99</b>	<b>64.99</b>	<b>64.99</b>	<b>64.99</b>	<b>64.99</b>
Algeria	18.76	7.67	7.67	7.67	7.67	7.67	7.67	7.67
Argentina	1.35	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Bangladesh	8.40	2.69	2.69	2.69	2.69	2.69	2.69	2.69
Bolivia	0.54	0.27	0.27	0.27	0.27	0.27	0.27	0.27
Bosnia and Herzegovina	1.28	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Brazil	205.66	81.69	81.69	81.69	81.69	81.69	81.69	81.69
Cameroon	2.36	0.78	0.78	0.78	0.78	0.78	0.78	0.78
Chile	10.42	4.77	4.77	4.77	4.77	4.77	4.77	4.77
Colombia	19.95	12.08	12.08	12.08	12.08	12.08	12.08	12.08
Costa Rica	1.22	0.68	0.68	0.68	0.68	0.68	0.68	0.68
Croatia	0.01	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Egypt	55.78	20.39	20.39	20.39	20.39	20.39	20.39	20.39
El Salvador	3.67	1.30	1.30	1.30	1.30	1.30	1.30	1.30
Honduras	2.21	1.00	1.00	1.00	1.00	1.00	1.00	1.00
India	244.84	86.20	86.20	86.20	86.20	86.20	86.20	86.20
Indonesia	25.76	18.87	18.87	18.87	18.87	18.87	18.87	18.87
Iran	22.35	12.36	12.36	12.36	12.36	12.36	12.36	12.36
Jordan	6.53	2.96	2.96	2.96	2.96	2.96	2.96	2.96
Kuwait	45.56	20.15	20.15	20.15	20.15	20.15	20.15	20.15
Kyrgyzstan	0.75	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Malaysia	32.92	20.54	20.54	20.54	20.54	20.54	20.54	20.54
Mexico	172.79	63.88	63.88	63.88	63.88	63.88	63.88	63.88
Morocco	7.60	2.78	2.78	2.78	2.78	2.78	2.78	2.78
Nigeria	25.32	9.16	9.16	9.16	9.16	9.16	9.16	9.16
Pakistan	25.19	8.59	8.59	8.59	8.59	8.59	8.59	8.59
Paraguay	1.11	0.43	0.43	0.43	0.43	0.43	0.43	0.43
Philippines	21.38	11.44	11.44	11.44	11.44	11.44	11.44	11.44
South Africa	42.69	19.13	19.13	19.13	19.13	19.13	19.13	19.13
Sudan	4.66	1.31	1.31	1.31	1.31	1.31	1.31	1.31
Swaziland	0.71	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Syria	10.22	4.30	4.30	4.30	4.30	4.30	4.30	4.30
Thailand	25.14	43.70	43.70	43.70	43.70	43.70	43.70	43.70
Turkey	133.16	51.61	51.61	51.61	51.61	51.61	51.61	51.61
Venezuela	13.86	8.08	8.08	8.08	8.08	8.08	8.08	8.08
Vietnam	21.46	10.57	10.57	10.57	10.57	10.57	10.57	10.57
<b>Subtotal</b>	<b>1,215.62</b>	<b>531.15</b>	<b>531.15</b>	<b>531.15</b>	<b>531.15</b>	<b>531.15</b>	<b>531.15</b>	<b>531.15</b>

**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 7A. Proposed reduction levels of HCFC consumption (ODP tonnes)**

<b>Country</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>Group I</b>								
Afghanistan	1.31	0.45	0.45	0.45	0.45	0.45	0.45	0.45
China	2,456.58	1,036.63	1,036.63	1,036.63	1,036.63	1,036.63	1,036.63	1,036.63
<b>Subtotal</b>	2,456.58	1,036.63	1,036.63	1,036.63	1,036.63	1,036.63	1,036.63	1,036.63
<b>Grand total</b>	3,971.42	1,685.68	1,685.68	1,685.68	1,685.68	1,685.68	1,685.68	1,685.68
<b>Explanatory notes to the columns of the Table</b>								
(1) Article 5 countries.								
(2) to (9) Proposed reduction levels of HCFC consumption.								

**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 8. ODP to be phased out from multiyear agreements (ODP tonnes)**

Country	Sector	Agency	Total (*)	2007	2008	2009	2010	2011	2012
<b>Consumption sector</b>									
Afghanistan	ODS phase-out (CFC)	Germany	30.0			30.0			
Albania	ODS phase-out	UNIDO	2.2			2.2			
Algeria	ODS phase-out (CFC)	UNIDO	100.0			100.0			
Algeria	ODS phase-out (CTC)	UNIDO	1.0			1.0			
Algeria	ODS phase-out (halon)	UNIDO	60.0			60.0			
Algeria	ODS phase-out (TCA)	UNIDO	3.0			3.0			
Antigua and Barbuda	CFC phase-out	IBRD	1.8	0.8	0.5	0.5			
Argentina	CFC phase-out	UNIDO	709.5			709.5			
Argentina	MB	UNIDO	242.0			57.6			
Bahrain	CFC phase-out	UNDP	20.3			20.3			
Bangladesh	ODS phase-out (CFC)	UNDP	28.8			28.8			
Belize	ODS phase-out	UNDP	3.7			3.7			
Benin	CFC phase-out	UNIDO	4.0			4.0			
Bolivia	ODS phase-out	Canada	11.4			11.4			
Bosnia and Herzegovina	ODS phase-out (CFC)	UNIDO	3.0		3.0				
Botswana	CFC phase-out	UNEP	1.0			1.0			
Brazil	CFC phase-out	UNDP	74.0			74.0			
Burundi	CFC phase-out	UNIDO	3.1			3.1			
Cambodia	ODS phase-out	UNDP	6.5			6.5			
Cameroon	ODS phase-out plan (CFC)	UNIDO	21.0			21.0			
Cameroon	ODS phase-out plan (TCA)	UNIDO	3.0				3.0		
Cape verde	ODS phase-out	UNEP	0.4			0.4			
Central African Republic	CFC phase-out	France	0.6			0.6			
Chad	ODS phase-out	UNDP	5.2			5.2			
Chile	CFC phase-out	Canada	91.4			91.4			
China	Refrigeration servicing	UNIDO	1,136.0			1,136.0			
China	MB	Italy	390.0			140.0	41.0	33.0	26.0
China	Process agent I (CTC)	IBRD	1,220.0				1,220.0		
China	Process agent II (CTC)	IBRD	5,951.0			5,951.0			
China	Solvent (TCA)	UNDP	85.0				85.0		
Colombia	ODS phase-out (CFC)	UNDP	247.8			247.8			
Congo	ODS phase-out (CFC)	UNIDO	1.8			1.8			
Congo	ODS phase-out (CTC)	UNIDO	0.1			0.1			
Congo, DR	ODS phase-out (CFC)	UNDP	25.0			25.0			
Costa Rica	MB	UNDP	210.0		36.0	60.0	114.0		
Costa Rica	ODS phase-out (CFC)	UNDP	37.5			37.5			
Cote d'Ivoire	ODS phase-out (CFC)	UNIDO	44.1			44.1			
Cuba	ODS phase-out (CFC)	UNDP	54.7		54.7				
Djibouti	ODS phase-out	UNDP	3.2			3.2			
Dominica	CFC phase-out	UNDP	0.2			0.2			
Dominican Republic	CFC phase-out	UNDP	53.0			53.0			
Egypt	CFC phase-out	UNIDO	65.0		41.0	24.0			
Egypt	MB	UNIDO	184.2				33.0	41.0	61.0
El Salvador	ODS phase-out	UNDP	46.0			46.0			
Equatorial Guinea	CFC phase-out	UNEP	4.6			4.6			
Eritrea	ODS phase-out (CFC)	UNIDO	4.2			4.2			
Gabon	CFC phase-out	UNDP	1.5			1.5			
Gambia	ODS phase-out	UNDP	3.6			3.6			
Ghana	CFC phase-out	UNDP	5.3			5.3			
Grenada	CFC phase-out	UNDP	0.9			0.9			
Guatemala	CFC phase-out	UNDP	2.5			2.5			
Guinea	CFC phase-out	UNIDO	1.5			1.5			
Guinea-Bissau	CFC phase-out	UNEP	3.9			3.9			
Guyana	ODS phase-out	UNDP	8.0			8.0			
Haiti	CFC phase-out	UNDP	2.3			2.3			
Honduras	CFC phase-out	UNIDO	39.7			39.7			
Honduras	MB	UNIDO	183.6				20.4	30.6	51.0
India	CFC phase-out (ref. serv.)	Germany	138.3			138.3			
India	CFC phase-out (ref. serv.)	Switzerland	0.0						
India	CFC phase-out (ref. serv.)	UNDP	29.9			29.9			
India	CFC phase-out (ref. serv.)	UNEP	4.9			4.9			
India	CTC (consumption)	IBRD	268.0			220.0	48.0		
Indonesia	ODS phase-out (MDI)	IBRD	30.0			30.0			
Iran	CFC phase-out (foam)	Germany	75.9			75.9			
Iran	CFC phase-out (MAC)	France	29.3			29.3			
Iran	CFC phase-out (service, sol.)	UNIDO	27.5			27.5			
Iraq	ODS phase-out (CFC)	UNIDO	1,597.1			1,597.1			
Iraq	ODS phase-out (halon)	UNIDO	39.1			39.1			
Iraq	ODS phase-out (CTC)	UNIDO	4.6			4.6			

**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 8. ODP to be phased out from multiyear agreements (ODP tonnes)**

Country	Sector	Agency	Total (*)	2007	2008	2009	2010	2011	2012
Jordan	MB (complete phase-out)	Germany	27.0						
Kenya	MB (flowers)	UNDP	10.0			10.0			
Kenya	MB (horticulture)	Germany	5.0			5.0			
Korea, DPR	CFC phase-out	UNIDO	48.0			48.0			
Korea, DPR	CTC phase-out	UNIDO	37.8			37.8			
Kuwait	CFC phase-out	UNIDO	55.0		25.0	30.0			
Kyrgyzstan	CFC phase-out	UNDP	5.0		2.0	3.0			
Lao, PDR	CFC phase-out	France	6.5			6.5			
Liberia	ODS phase-out	UNDP	8.4			8.4			
Malawi	ODS phase-out	UNDP	8.7			8.7			
Malaysia	ODS phase-out (CFC)	IBRD	401.0			401.0			
Malaysia	ODS phase-out (CTC)	IBRD	0.7			0.7			
Malaysia	ODS phase-out (TCA)	IBRD	18.0			18.0			
Mali	ODS phase-out	UNDP	16.2			16.2			
Mauritania	ODS phase-out	UNDP	3.0			3.0			
Mexico	CFC phase-out	UNIDO	285.0			285.0			
Mexico	MB	UNIDO	895.0			100.0	120.0	150.0	200.0
Mongolia	CFCs Phase-Out	Japan	1.0			0.2	0.8		
Montenegro	ODS phase-out (CFC)	UNIDO	4.0			4.0			
Montenegro	ODS phase-out (CTC)	UNIDO	0.2			0.2			
Morocco	MB	UNIDO	202.2			116.0	30.0	28.2	28.0
Nicaragua	CFC phase-out	UNDP	2.0			2.0			
Niger	ODS phase-out (CFC)	UNIDO	4.8			4.8			
Nigeria	CFC phase-out	UNDP	64.6			64.6			
Nigeria	Solvent (TCA)	UNIDO	23.0				23.0		
Oman	ODS phase-out (CFC)	UNIDO	20.0			20.0			
Papua New Guinea	ODS phase-out	Germany	4.5			4.5			
Paraguay	CFC phase-out	UNDP	31.6			31.6			
Peru	CFC phase-out	UNDP	20.0			20.0			
Qatar	ODS phase-out	UNIDO	12.0		4.0	8.0			
Rwanda	ODS phase-out	UNDP	4.6			4.6			
Saint Kitts and Nevis	CFC phase-out	UNDP	0.6			0.6			
Saint Vincent/Grenadines	CFC phase-out	UNDP	0.1			0.1			
Sao Tome and Principe	ODS phase-out (CFC)	UNIDO	0.7			0.7			
Saudi Arabia	ODS phase-out (CFC)	UNIDO	250.0			250.0			
Saudi Arabia	ODS phase-out (halon)	UNIDO	532.0			532.0			
Senegal	CFC phase-out	UNIDO	23.4			23.4			
Serbia	CFC phase-out	UNIDO	183.0	143.0	40.0				
Seychelles	CFC phase-out	Germany	0.4			0.4			
Sierra Leone	ODS phase-out (CFC)	UNDP	11.8			11.8			
Sierra Leone	ODS phase-out (CTC)	UNDP	0.4			0.4			
Sudan	ODS phase-out (CFC)	UNIDO	45.0			45.0			
Suriname	CFC phase-out	UNDP	3.1			3.1			
Syria	MB	UNIDO	27.0			27.0			
Syria	ODS phase-out (CFC)	UNIDO	70.0			70.0			
Swaziland	CFC phase-out	UNDP	3.7			3.7			
Tanzania	ODS phase-out (CFC)	UNDP	38.1			38.1			
Tanzania	ODS phase-out (CTC)	UNDP	0.1			0.1			
Thailand	MB	IBRD	146.6			73.3		36.7	18.3
Thailand	ODS phase-out (CFC)	IBRD	704.0			704.0			
Thailand	ODS phase-out (CTC)	IBRD	1.1			1.1			
Thailand	ODS phase-out (TCA)	IBRD	4.5				4.5		
Togo	ODS phase-out (CFC)	UNDP	5.9			5.9			
Tunisia	ODS phase-out (CFC)	IBRD	130.5			130.5			
Tunisia	ODS phase-out (HAL)	IBRD	42.0			42.0			
Uganda	CFC phase-out	France	1.9			1.9			
Uruguay	MB	UNIDO	8.9			2.9			6.0
Vietnam	MB	IBRD	85.2			5.2		10.0	
Vietnam	ODS phase-out (CFC)	IBRD	40.0			40.0			
Vietnam	ODS phase-out (halon)	IBRD	18.5			18.5			
Yemen	ODS phase-out (CFC)	UNIDO	268.7			268.7			
Yemen	ODS phase-out (TCA)	UNIDO	0.6			0.4	0.2		
Yemen	MB	Germany	30.0				10.0		10.0
Zambia	ODS phase-out	UNDP	4.1			4.1			
Zambia	MB	UNIDO	5.4				2.0	3.4	
Zimbabwe	CFC phase-out	Germany	20.0			20.0			
<b>Total consumption</b>			<b>18,619.6</b>	<b>143.8</b>	<b>206.2</b>	<b>14,866.0</b>	<b>1,754.9</b>	<b>332.9</b>	<b>400.3</b>

**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 8 (cont.). ODP to be phased out from multiyear agreements (ODP tonnes)**

Country	Sector	Agency	Total	2009	2010	2011	2012
<b>Production sector</b>							
China	Production CFC	IBRD	550.0	550.0			
China	Production MB	UNIDO	176.0				26.0
China	Process agent II (CTC)	IBRD	2,915.0	2,915.0			
India	CTC phase-out (production)	IBRD	268.0	220.0	48.0		
India	Production CFC	IBRD	2,259.0	1,129.0	1,130.0		
<b>Total production</b>			<b>6,168.0</b>	<b>4,814.0</b>	<b>1,178.0</b>	<b>0.0</b>	<b>26.0</b>

**2009-2012 Phase-out Plan for the Multilateral Fund**

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

Country	Sector	Agency	Total (*)	2009	2010	2011	2012
Antigua and Barbuda	CFC phase out plan	IBRD	30,411	30,411			
Bahrain	CFC phase out plan	UNDP	43,000	43,000			
Bahrain	CFC phase out plan	UNEP	135,600	135,600			
Bangladesh	ODS phase out plan	UNDP	935,250	817,000	59,125	59,125	
Bangladesh	ODS phase out plan	UNEP	270,635	245,210	25,425		
Benin	CFC phase out plan	UNEP	73,450	73,450			
Benin	CFC phase out plan	UNIDO	75,210	75,210			
Botswana	CFC phase out plan	UNEP	56,500		56,500		
Brazil	CFC phase out plan	UNDP	105,000	105,000			
Burundi	CFC phase out plan	UNEP	46,330	46,330			
Burundi	CFC phase out plan	UNIDO	57,770	57,770			
Cape Verde	ODS phase out plan	UNEP	33,900	33,900			
Central African Republic	CFC phase out plan	UNEP	50,850	50,850			
Central African Republic	CFC phase out plan	France	50,850	50,850			
Chile	CFC phase out plan	Canada	295,495	295,495			
China	MB	UNIDO	2,582,948		645,000	537,500	537,500
China	Production MB	UNIDO	4,074,250			2,150,000	
China	Refrigeration servicing	UNIDO	843,880	843,880			
China	Solvent	UNDP	1,591,000	1,591,000			
Congo	ODS phase out plan	UNEP	47,460	47,460			
Congo	ODS phase out plan	UNIDO	49,050	49,050			
Costa Rica	MB	UNDP	781,300	781,300			
Cuba	ODS phase out plan	UNDP	167,700	167,700			
Djibouti	CFC phase out plan	UNEP	65,540	65,540			
Dominica	CFC phase out plan	UNDP	6,540		6,540		
Dominica	CFC phase out plan	UNEP	14,690		14,690		
Egypt	CFC phase out plan	UNIDO	322,500	215,000	107,500		
Equatorial Guinea	CFC phase out plan	UNEP	75,000		75,000		
Eritrea	ODS phase out plan	UNEP	79,100	79,100			
Eritrea	ODS phase out plan	UNIDO	81,750	81,750			
Grenada	CFC phase out plan	UNDP	32,700	32,700			
Grenada	CFC phase out plan	UNEP	50,850	36,725	14,125		
Guatemala	CFC phase out plan	UNEP	36,140	36,140			
Guinea	CFC phase out plan	UNEP	65,540	65,540			
Guinea	CFC phase out plan	UNIDO	65,400	65,400			
Guinea-Bissau	CFC phase out plan	UNEP	42,375	42,375			
Guyana	CFC phase out plan	UNDP	99,190	99,190			
Guyana	CFC phase out plan	UNEP	81,360	81,360			
Haiti	CFC phase out plan	UNEP	73,450		73,450		
Honduras	MB	UNIDO	114,274	114,274			
Honduras	CFC phase out plan	UNEP	58,760	58,760			
Honduras	CFC phase out plan	UNIDO	40,313	40,313			
India	CFC phase out plan	Germany	1,043,442	1,043,442			
India	CFC phase out plan	UNDP	214,420	214,420			
India	CFC phase out plan	UNEP	36,612	36,612			
India	Production CFC	IBRD	9,858,000	8,563,000	1,295,000		
Iraq	ODS phase-out	UNEP	570,650		570,650		
Iraq	ODS phase-out	UNIDO	325,725		325,725		
Korea, DPR	CFC phase out plan	UNEP	11,300	11,300			
Kuwait	CFC phase out plan	UNEP	107,350	107,350			
Kuwait	CFC phase out plan	UNIDO	10,900	10,900			
Kyrgyzstan	CFC phase out plan	UNDP	64,500	64,500			
Kyrgyzstan	CFC phase out plan	UNEP	28,589	28,589			



**2009-2012 Phase-out Plan for the Multilateral Fund**

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

Country	Sector	Agency	Total (*)	2009	2010	2011	2012
Lao, PDR	ODS phase out plan	France	156,505	156,505			
Mexico	MB	Canada	1,024,922		558,527		223,411
Mexico	MB	Spain	1,786,000		893,000		893,000
Mexico	MB	UNIDO	3,445,221		2,150,000		1,075,000
Morocco	MB	UNIDO	470,414		470,414		
Mozambique	CFC phase out plan	UNDP	18,530		18,530		
Mozambique	CFC phase out plan	UNEP	66,670		66,670		
Nicaragua	CFC phase out plan	UNEP	79,100	79,100			
Nigeria	CFC phase out plan	UNDP	490,718		369,428	121,290	
Peru	CFC phase out plan	UNDP	197,263	197,263			
Peru	CFC phase out plan	UNEP	87,575	87,575			
Qatar	CFC phase out plan	UNEP	62,150	62,150			
Qatar	CFC phase out plan	UNIDO	75,250	75,250			
Saint Kitts and Nevis	CFC phase out plan	UNDP	3,270		3,270		
Saint Kitts and Nevis	CFC phase out plan	UNEP	15,820		15,820		
Saint Vincent and the Grenadines	ODS phase out plan	UNEP	15,820		15,820		
Samoa	CFC phase out plan	UNDP	32,700	32,700			
Samoa	CFC phase out plan	UNEP	22,600	22,600			
Saudi Arabia	CFC phase out plan	UNEP	113,565	113,565			
Saudi Arabia	ODS phase out plan	UNEP	45,765		45,765		
Saudi Arabia	ODS phase out plan	UNIDO	153,725		153,725		
Serbia	CFC phase out plan	UNIDO	208,013	208,013			
Seychelles	CFC phase out plan	France	14,690	14,690			
Sierra Leone	ODS phase out plan	UNEP	62,150		62,150		
Sierra Leone	ODS phase out plan	UNDP	21,800		21,800		
Suriname	CFC phase out plan	UNEP	59,890	59,890			
Swaziland	CFC phase out plan	UNEP	64,410	64,410			
Swaziland	CFC phase out plan	UNDP	43,600	43,600			
Thailand	ODS phase out plan	IBRD	419,650	419,650			
Togo	ODS phase out plan	UNDP	67,580	67,580			
Togo	ODS phase out plan	UNEP	79,100	79,100			
Tunisia	ODS phase out plan	IBRD	371,300	371,300			
Turkey	CFC phase out plan	IBRD	55,000	55,000			
Uganda	CFC phase out plan	France	70,625	70,625			
Uruguay	CFC phase out plan	Canada	33,900	33,900			
Uruguay	CFC phase out plan	UNDP	48,375	48,375			
Vietnam	MB	IBRD	933,405	698,750		129,000	
Yemen	ODS phase out plan	UNEP	158,200	158,200			
Yemen	ODS phase out plan	UNIDO	250,475	250,475			
Yemen	MB	Germany	450,650		225,325		225,325
Zimbabwe	CFC phase out plan	Germany	242,455	197,347	45,108		
<b>Total</b>			<b>38,093,650</b>	<b>20,402,359</b>	<b>8,384,082</b>	<b>2,996,915</b>	<b>2,954,236</b>

(\*) Funding tranches from previous years that have not been requested by some countries have been reallocated in 2009 and subsequent years.

**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 10. Estimated funding for institutional strengthening projects (US\$)**

Country	2009	2010	2011	2012	Total
Afghanistan			150,000		150,000
Albania		109,200		109,200	218,400
Algeria			257,400		257,400
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
Bahamas	60,000		60,000		120,000
Bahrain	60,000		60,000		120,000
Bangladesh	139,750		139,750		279,500
Barbados	60,000		60,000		120,000
Belize	76,700		76,700		153,400
Benin		60,000		60,000	120,000
Bhutan			60,000		60,000
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		754,650
Brunei Darussalam	70,000		70,000		140,000
Burkina Faso		72,410		72,410	144,820
Burundi			60,000		60,000
Cambodia			112,667		112,667
Cameroon	139,532		139,532		279,064
Cape Verde			60,000		60,000
Central African Republic			60,000		60,000
Chad		60,000		60,000	120,000
Chile			200,541		200,541
China		419,250		419,250	838,500
Colombia			296,270		296,270
Comoros			60,000		60,000
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
Dominica		60,000		60,000	120,000
Dominican Republic		134,333		134,333	268,666
Ecuador	95,030		95,030		190,060
Egypt		245,447		245,447	490,894
El Salvador	60,000		60,000		120,000
Equatorial Guinea			40,000		40,000
Eritrea		60,000		60,000	120,000
Ethiopia	60,000		60,000		120,000
Fiji		60,000		60,000	120,000
Gabon		60,000		60,000	120,000
Gambia		60,000		60,000	120,000
Georgia			60,667		60,667
Ghana		149,533		149,533	299,066
Grenada	60,000		60,000		120,000
Guatemala	124,800		124,800		249,600
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
India		401,222		401,222	802,445
Indonesia	291,588		291,588		583,176
Iran		186,524		186,524	373,048
Iraq			240,000		240,000
Jamaica		60,000		60,000	120,000
Jordan			158,369		158,369
Kenya		81,521		81,521	163,042
Kiribati	30,000		30,000		60,000
Korea, DPR	123,552		123,552		247,104
Kuwait	105,320		105,320		210,640
Kyrgyzstan		115,830		115,830	231,660
Lao, PDR		60,000		60,000	120,000
Lebanon		166,722		166,722	333,444
Lesotho	60,000		60,000		120,000
Liberia			85,213		85,213
Libya	167,593		167,593		335,186

**2009-2012 Phase-out Plan for the Multilateral Fund**  
**Table 10. Estimated funding for institutional strengthening projects (US\$)**

Country	2009	2010	2011	2012	Total
Macedonia, FYR			142,273		142,273
Madagascar	60,700		60,700		121,400
Malawi	66,733		66,733		133,466
Malaysia			300,463		300,463
Maldives		60,000		60,000	120,000
Mali		60,677		60,677	121,354
Marshall Islands	60,000		60,000		120,000
Mauritania			60,000		60,000
Mauritius	60,000		60,000		120,000
Mexico			265,525		265,525
Micronesia			11,333		11,333
Moldova		69,334		69,334	138,668
Mongolia		60,000		60,000	120,000
Montenegro		60,000		60,000	120,000
Morocco	155,000		155,000		310,000
Mozambique			80,800		80,800
Myanmar			74,360		74,360
Namibia	60,000		60,000		120,000
Nauru	60,000		60,000		120,000
Nepal		60,000		60,000	120,000
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
Oman		73,602		73,602	147,204
Pakistan			120,651		120,651
Palau	60,000		60,000		120,000
Panama	149,500		149,500		299,000
Papua New Guinea		67,800		67,800	135,600
Paraguay	57,460		57,460		114,920
Peru	133,510		133,510		267,020
Philippines		194,718		194,718	389,436
Qatar	47,838		47,838		95,676
Romania		-		-	-
Rwanda			60,000		60,000
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
Samoa			60,000		60,000
Sao Tome and Principe		60,666		60,666	121,332
Saudi Arabia	300,000		300,000		600,000
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	171,600
Solomon Islands	60,000		60,000		120,000
Somalia	60,000		60,000		120,000
Sri Lanka		144,110		144,110	288,220
Sudan			145,860		145,860
Suriname	73,333		73,333		146,666
Swaziland	58,344		58,344		116,688
Syria			219,110		219,110
Tanzania			60,000		60,000
Thailand			372,668		372,668
Timor-Leste		60,000		60,000	120,000
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	531,630
Turkey			279,500		279,500
Turkmenistan		115,693		115,693	231,386
Tuvalu		30,000		30,000	60,000
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
Yemen	170,000		170,000		340,000
Zambia			65,520		65,520
Zimbabwe	148,242		148,242		296,484
Total	6,284,725	5,294,801	10,949,890	5,294,801	27,824,218