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EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
Sixty-seventh Meeting
Bangkok, 16 – 20 July 2012

**UPDATED MODEL ROLLING THREE-YEAR PHASE-OUT PLAN: 2013-2015
(DECISION 62/5)**

Introduction

1. The Secretariat is submitting herewith the model rolling three-year phase-out plan for the 2013-2015 triennium in line with decision 62/5(d).

Background

2. The Executive Committee adopted at its 32nd meeting (November 2000), the framework on the objective, priorities, problems and modalities for strategic planning of the Multilateral Fund in the compliance period, as the basis for future work in strategic planning (decision 32/75(a)). The Committee also requested the Secretariat to prepare an annual update of the status of compliance of Article 5 countries with the control measures of the Montreal Protocol as contained in the document on the strategic planning and the draft three-year business plan for the Multilateral Fund¹ (decision 32/76(b)). Subsequently, at its 38th meeting (November 2002), the Executive Committee adopted the model, as revised², as an important guide that should be considered in the preparation of the business plans during the 2003 to 2005 triennium (decision 38/66).

3. As a follow-up to decision 38/66, members of the Executive Committee indicated that there was a need for a mechanism to monitor performance under the plans and adherence to budgets. Accordingly, at its 41st meeting (December 2003), the Executive Committee requested the Secretariat to prepare a financial planning document, providing a status report on the process undertaken up to the 41st meeting in implementing the three-year model phase-out plan; and guidance on the funding allocations for the remainder of the triennium, including total allocations for 2004 and 2005, allocations of the implementing agencies and the bilateral agencies, and a possible allocation for a funding window on accelerated phase-out and maintaining momentum (decision 41/81).

4. Up until the 42nd meeting the business plan of the Multilateral Fund was based on a one-year calendar. However, at its 42nd meeting, the Executive Committee considered for the first time business plan of the Multilateral Fund for a three-year period (i.e., 2004-2006)³. As indicated in the document, the adoption of the three-year phase-out plan has changed the historic basis of business planning in the Fund from one that was based on funding shares for the implementing agencies, to a new approach based on the approval of certain amounts of ODSs for specific countries during the triennium to enable compliance with the Protocol control measures until 2007. The Executive Committee noted the consolidated 2004-2006 business plan of the Multilateral Fund (decision 42/5). Since then, the business planning of the Multilateral Fund is prepared covering a three-year period.

5. It is to be noted that up to the 62nd meeting (November-December 2010), the Secretariat has updated the model after each meeting of the Executive Committee⁴. In considering the updated model for the 2011-2013 period in light of the business planning approach agreed for the period 2010-2014, the Executive Committee considered that it would be preferable to update the model once the HCFC baseline had been established. Accordingly, the Committee requested the Secretariat to present an updated model for the years 2013-2015 to its second meeting in 2012 to provide guidance, as relevant, for the preparation of a business plan for the Multilateral Fund for 2013-2015 (decision 62/5(d)).

¹ UNEP/OzL.Pro/ExCom/32/38.

² UNEP/OzL.Pro/ExCom/38/58.

³ (UNEP/OzL.Pro/ExCom/42/6 and Corr.1).

⁴ The model has been updated as follows: 42nd meeting: UNEP/OzL.Pro/ExCom/42/5 (March-April 2004); 44th meeting: UNEP/OzL.Pro/ExCom/44/7 (November-December 2004); 47th meeting: UNEP/OzL.Pro/ExCom/47/7 (November 2005); 50th meeting: UNEP/OzL.Pro/ExCom/50/7 (November 2006); 53rd meeting: UNEP/OzL.Pro/ExCom/53/7 (November 2007); 56th meeting: UNEP/OzL.Pro/ExCom/56/7 (November 2008); 59th meeting: UNEP/OzL.Pro/ExCom/59/7 (November 2009); 62nd meeting: UNEP/OzL.Pro/ExCom/62/7 (November-December 2010).

Relevant facts

6. Since the 62nd meeting, when the last Executive Committee considered the updated model there have been a number of developments:

- (a) Croatia⁵ is expected to access the European Union on 1 July 2013 and, therefore, would be reclassified as a Party not operating under paragraph 1 of Article 5;
- (b) At their 19th meeting (September 2007) the Parties to the Montreal Protocol decided that South Africa⁶ was eligible for receive assistance from the Multilateral Fund for phasing out HCFCs (decision XIX/7);
- (c) Two newly constituted countries became Parties to the Montreal Protocol, namely South Sudan, which ratified the Montreal Protocol on 12 January 2012 but, as at the date of issuance of this document, none of its amendments; and Timor-Leste, which ratified the Montreal Protocol and all of its amendments on 16 September 2009;
- (d) Total funding has been approved in principle for the complete phase-out of all ODS excluding HCFCs in all eligible Article 5 countries. Except for the last tranche of a CFC production agreement, the remaining unapproved tranches are related to the phase-out of methyl bromide (MB), with a compliance phase-out date of 1 January 2015;
- (e) HCFC baselines for compliance have been established for 142 of the 145 Article 5 countries⁷ that are eligible for receiving assistance from the Multilateral Fund for phasing out HCFC consumption;
- (f) Eighty-seven Article 5 countries have an HCFC consumption baseline below 360 metric tonnes (mt), and thus are categorized as low-volume-consuming (LVC) countries. Twenty of the 55 non-LVC countries were formerly categorized as LVC countries⁸ when phasing-out CFC consumption; and
- (g) HCFC phase-out management plans (HPMPs) have been approved for 122 Article 5 countries.

Content of the document

7. The document consists of the following five parts:

- (a) Part 1 contains an overview of the current status of consumption and production of ODS excluding HCFCs in Article 5 countries. It compares the 2010 consumption and production levels against the respective baselines for compliance; and briefly analyses decisions by the Parties regarding essential uses, laboratory uses and process agent uses;
- (b) Part 2 contains an analysis of consumption and production for each of the types of

⁵ The Government of Croatia had so far received US \$3,768,104 from the Multilateral Fund the complete phase-out of all ODS including HCFCs. An additional US \$64,500, associated with the last tranche of the HPMP of Croatia, is expected to be submitted to the Executive Committee in 2013.

⁶ At the 9th meeting (September 1997) the Parties reclassified South Africa as an Article 5 Party (decision IX/27).

⁷ HCFC consumption baselines have not yet been established for Libya, South Sudan and Yemen as these countries have not reported HCFC consumption for 2009 and/or 2010 under Article 7 of the Montreal Protocol.

⁸ The following countries were formerly categorized as LVC countries: Bahrain, Benin, Burkina Faso, Cameroon, Cote d'Ivoire, Gabon, Ghana, Guinea, Kenya, Kuwait, Madagascar, Mauritania, Niger, Peru, Qatar, Senegal, Somalia, Togo, Trinidad and Tobago, and Uruguay.

HCFCs consumed and/or produced by Article 5 countries. It also indicates the HCFC baselines for compliance and starting points for aggregate reduction in HCFC consumption;

- (c) Part 3 provides a brief analysis of the reduction levels from HCFC consumption baselines to which Article 5 countries have committed, as indicated in their approved HPMPs. The analysis is presented separately for HPMPs submitted by LVC countries and non-LVC countries. Part 3 also includes estimates of reduction levels from HCFC consumption baselines for the 23 Article 5 countries without an approved HPMP, and HCFC production baselines for 6 Article 5 countries, noting that the Executive Committee is currently considering policy issues related to HCFC phase-out in the production sector;
- (d) Part 4 includes the level of funding agreed in principle for the phase-out of all ODS including HCFCs; and
- (e) Part 5 provides conclusions and recommendations.

8. The ODS consumption and production data presented in this document is that reported by Article 5 countries under Article 7 of the Montreal Protocol as of 5 June 2012. The Fund Secretariat notes with appreciation the support received from the Ozone Secretariat in providing disaggregated consumption and production data for HCFCs.

Part 1. Current status of consumption and production of ODS excluding HCFCs

9. Since the establishment of the Multilateral Fund, total funding of US \$2,497.5 million⁹ has been approved in stand-alone projects and multi-year phase-out plans, for the complete phase-out of consumption and production of all ODS excluding HCFCs in 145 Article 5 countries¹⁰.

ODS consumption excluding HCFCs

10. The aggregated ODS consumption baseline for compliance and the total consumption reported under Article 7 of the Montreal Protocol for 2010 for all Article 5 countries that have received assistance from the Multilateral Fund¹¹ is presented in Table 1.

Table 1. Aggregated ODS consumption baselines and aggregated consumption in 2010 in Article 5 countries that have received assistance from the Multilateral Fund (ODP tonnes)

ODS	Parties with baseline	Aggregated baselines	Aggregated 2010 consumption	2010 consumption as % of baseline
CFC	145	156,072.0	1,571.7	1.0
Halon	70	42,769.1	-	0.0
CTC	56	67,337.9	282.9	0.4
TCA	42	1,375.8	9.8	0.7
MB	81	8,905.0	2,401.2	27.0
Total		276,459.8	4,265.6	1.5

⁹ Total funding approved for all projects and activities to phase out ODS excluding HCFCs, considering funds returned to the Fund due to cancellation of projects or balances.

¹⁰ Excluding the Republic of Korea, Singapore, South Africa and United Arab Emirates, that were reclassified as operating under paragraph 1 of Article 5 and have agreed or were urged not to seek assistance from the Multilateral Fund pursuant to decision VI/5(e).

¹¹ Including Romania that requested at the 19th meeting of the Parties to be removed from the list of countries operating under paragraph 1 of Article 5. Romania assumed the obligations of a non-Article 5 Party from 1 January 2008 (decision XIX/19). The Government of Romania received in total US \$15,022,634 from the Multilateral Fund for the phase-out of consumption and production of ODS excluding HCFCs.

11. The following observations are relevant with regard to the ODS consumption reported for 2010:
- Only 4,265.6 ODP tonnes of ODS were consumed in Article 5 countries. This consumption represents 1.5 per cent of the total aggregated ODS baselines for compliance. Of this amount, 2,411.0 ODP tonnes are related to TCA and MB which should be completely phased out by 1 January 2015 in accordance with the Montreal Protocol;
 - For 8 of the 9 countries that reported CFC consumption in 2010, the Parties to the Montreal Protocol had approved exemptions between 2010 to 2012 to satisfy essential uses for the manufacture of metered-dose inhalers (MDIs), while for the other country (Dominican Republic) the Parties authorized emergency essential use of 1.832 mt of CFC-113 as a diluter for silicon grease during the manufacture of medical devices, as shown in Table 2;

Table 2. CFC consumption and authorized levels for essential uses (ODP tonnes)

Country	Consumption in 2010	Authorized levels for essential uses		
		2010*	2011**	2012***
1. Argentina	-	178.0	107.2	
2. Bangladesh	48.0	156.7	57.0	40.4
3. China	968.6	972.2	741.2	532.0
4. Dominican Republic****	0.8			
5. Egypt	172.5	227.4		
6. India	316.1	343.6		
7. Islamic Republic of Iran	21.0	105.0		
8. Pakistan	-	34.9	39.6	24.1
9. Syrian Arab Republic	44.7	44.7		
Total	1,571.7	2,062.5	945.0	596.5

* Decision XXI/4 (November 2009).

** Decision XXII/4 (November 2010).

*** Decision XXIII/2 (November 2011).

**** Decision XXII/4 (November 2010).

- CTC¹², TCA and MB consumption was reported by four, two and 30 Article 5 Parties respectively, as shown in Table 3. Five countries still have outstanding tranches of multi-year MB phase-out plans that will be requested between 2012 and 2014 (i.e., Chile, China, Guatemala, Mexico, Viet Nam and Yemen). One country (China) has submitted a request for a tranche of its MB phase-out plan to the 67th meeting (July 2012).

Table 3. CTC, TCA and MB consumption reported under Article 7 in 2010 (ODP tonnes)

Country	CTC	TCA*	MB*
1. Algeria			1.8
2. Argentina		9.6	296.0
3. Chile			161.9

¹² The Parties to the Montreal Protocol decided at their 23rd meeting (November 2011) *inter alia* to allow Article 5 Parties until 31 December 2014 to deviate from the existing ban on the use of CTC for the testing of oil, grease and total petroleum hydrocarbons in water in individual cases where such Parties consider doing so to be justified. The Parties also decided to defer until 2015 consideration of the compliance status in relation to the control measures for CTC for the testing of oil, grease and total petroleum hydrocarbons in water of Article 5 parties that provide evidence to the Ozone Secretariat showing that any deviation from the consumption target for CTC is due to the use of that substance for the above-mentioned uses (paragraphs 1 and 5 of decision XXIII/6).

Country	CTC	TCA*	MB*
4. China	282.6 ¹³		201.7
5. Costa Rica			166.9
6. Croatia	0.1		
7. Ecuador			40.8
8. Egypt			157.2
9. Guatemala			249.0
10. Honduras			139.6
11. Islamic Republic of Iran			1.5
12. Jamaica			1.3
13. Jordan			19.2
14. Kenya			6.6
15. Kyrgyzstan			0.6
16. Malaysia			5.3
17. Mexico	0.1		667.9
18. Morocco			80.9
19. Nepal	0.1		
20. Saudi Arabia			36.0
21. Sri Lanka		0.2	
22. Sudan			1.5
23. Thailand			60.3
24. Trinidad and Tobago			0.2
25. Tunisia			6.6
26. Turkmenistan			2.9
27. Uruguay			5.9
28. Viet Nam			76.8
29. Zambia			2.0
30. Zimbabwe			10.8
Total	282.9	9.8	2,401.2

* Complete phase-out by 1 January 2015.

ODS production excluding HCFCs

12. CFC, halons, CTC, TCA and MB are produced by a small number of Article 5 countries that have received assistance from the Multilateral Fund¹⁴ as shown in Table 4.

Table 4. Aggregated ODS production baselines and 2010 production levels in Article 5 countries that have received assistance from the Multilateral Fund (ODP tonnes)

Country	CFC	Halon	CTC	TCA	MB
Production baselines					
Argentina	2,745.3				
Brazil(*)	10,182.2		11,629.6	32.4	
China	47,003.9	40,993.0	32,479.7	112.8	776.3
Democratic People's Republic of Korea	403.3		1,285.2	7.7	30.0
India	22,632.4	288.8	11,552.9		
Mexico	11,042.3				
Romania (**)			11,878.5	27.2	
Venezuela (Bolivarian Republic of)	4,786.9				

¹³ The Parties to the Montreal Protocol decided at their 23rd meeting to update the limits for process agent uses for several Parties. For China, the make-up or consumption limit was set at 1,103 mt (1,213.3 ODP tonnes) of CTC (decision XXIII/7).

¹⁴ CFC and CTC were produced by Republic of Korea and South Africa, while halon was also produced by Republic of Korea.

Country	CFC	Halon	CTC	TCA	MB
Total production baselines	98,796.3	41,281.8	68,825.9	180.1	806.3
Production in 2010(***)					
China	1,180.6		282.6		201.7
India	318.3				
Total production in 2010	1,498.9	-	282.6	-	201.7
2010 as % of total	1.52	-	0.41	-	25.02

(*) Non-eligible for assistance from the Multilateral Fund as the production was by a foreign-owned enterprise.

(**) Received assistance from the Multilateral Fund when the country was categorized as a Party operating under paragraph 1 of Article 5.

(***) All other Article 5 countries with a production baseline reported zero production under Article 7 of the Montreal Protocol in 2010

13. The following observations are relevant with regard to ODS production:

- (a) In 2010, only two countries reported production of CFCs (China and India);
- (b) At its 66th meeting (April 2012), the Executive Committee decided *inter alia* to modify the CFC production sector Agreement for one country (China) to allow the production for export of pharmaceutical-grade CFCs in 2012, with an annual review, for purposes of meeting the 2012 essential use exemption for MDIs authorized by the Parties in decision XXIII/2 for the other countries (decision 66/54(b, c, d));
- (c) One country (India) has submitted a request for the last tranche of a CFC production sector phase-out plan to the 67th meeting; and
- (d) One country (China) will submit a request for the last tranche of the MB production sector phase-out plan in 2014.

Part 2 Analysis of consumption and production of HCFC in Article 5 countries

14. The reduction trend in the production and consumption of HCFCs by non-Article 5 countries between 2000 and 2010 has been offset by a growth in both production and consumption in Article 5 countries. As a result, the overall production and consumption levels of HCFCs in 2000 were similar to those in 2010, as shown in Table 5¹⁵.

Table 5. Global production and consumption of HCFCs reported under Article 7 (ODP tonnes)

Party*	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Baseline
Production												
A5	7,768.0	8,459.5	10,482.1	13,628.8	17,588.5	20,548.6	27,003.3	30,953.8	28,633.3	32,207.8	33,769.4	32,988.9
Non-A5	29,981.1	26,174.7	25,270.8	17,094.7	14,180.4	11,862.8	9,451.7	10,539.7	10,417.5	5,796.5	4,513.8	41,178.6
Total	37,749.1	34,634.2	35,752.9	30,723.5	31,768.9	32,411.4	36,455.0	41,493.5	39,050.8	38,004.3	38,283.2	74,167.5
% for A5	20.6%	24.4%	29.3%	44.4%	55.4%	63.4%	74.1%	74.6%	73.3%	84.7%	88.2%	44.5%
Consumption												
A5	13,036.2	12,493.7	13,483.7	15,893.2	19,936.4	21,798.1	27,716.3	31,996.5	30,449.8	34,549.6	36,926.6	35,693.1
Non-A5	25,219.7	23,360.5	22,332.9	14,865.3	10,975.3	10,278.1	9,843.9	10,102.1	10,782.1	6,474.3	3,953.4	36,868.1
Total	38,255.9	35,854.2	35,816.6	30,758.5	30,911.7	32,076.2	37,560.2	42,098.6	41,231.9	41,023.9	40,880.0	72,561.2
% for A5	34.1%	34.8%	37.6%	51.7%	64.5%	68.0%	73.8%	76.0%	73.9%	84.2%	90.3%	49.2%

* A5: Article 5 Party. Non-A5: non-Article 5 Party.

¹⁵ This category includes HCFC consumption and production of Republic of Korea, Singapore and United Arab Emirates, representing countries that have so far not received assistance from the Multilateral Fund. It is to be noted that at its 66th meeting, the Committee deferred the request of the United Arab Emirates for assistance for phasing out HCFC from the Fund to a future meeting to allow more time for discussion with the country (decision 66/5(a)(vi)).

HCFC consumption in Article 5 countries¹⁶

15. Based on data reported under Article 7 of the Montreal Protocol by all Article 5 countries¹⁷, the aggregated HCFC consumption baseline has been established at 500,459 mt (33,100 ODP tonnes), as shown in Table 6. Out of the 10 HCFCs consumed by Article 5 countries, HCFC-141b, HCFC-142b and HCFC-22 accounted for more than 99 per cent of the total consumption. Measured in ODP tonnes, consumption of HCFC-22 represented 61.3 per cent of the aggregated consumption baseline, while HCFC-141b and HCFC-142b represented 32.4 and 6.1 per cent respectively. Additionally, 26 Article 5 countries imported 4,651.8 mt (511.7 ODP tonnes) of HCFC-141b contained in pre-blended polyols¹⁸, an amount not reported under Article 7 of the Montreal Protocol.

Table 6. HCFC consumption by substance in Article 5 countries* (Article 7 data)

HCFC	2009	2010	Baseline	% of total
Metric tonnes				
HCFC-141b	94,195.5	100,576.4	97,550.9	19.5%
HCFC-142b	31,124.6	30,784.6	31,058.5	6.2%
HCFC-22	355,154.5	380,654.5	368,741.8	73.7%
HCFC-123	1,550.0	1,685.0	1,665.0	0.3%
HCFC-124	1,386.4	1,040.9	1,240.9	0.2%
HCFC-141	-	27.1	27.1	0.0%
HCFC-21	37.5	-	37.5	0.0
HCFC-225	34.3	10.0	44.3	0.0
HCFC-225ca	60.0	76.0	72.0	0.0
HCFC-225cb	18.2	21.2	21.2	0.0
Total (mt)	483,560.9	514,875.8	500,459.2	100.0
ODP tonnes				
HCFC-141b	10,361.5	11,063.4	10,730.6	32.4
HCFC-142b	2,023.1	2,001.0	2,018.8	6.1
HCFC-22	19,533.5	20,936.0	20,280.8	61.3
HCFC-123	31.0	33.7	33.3	0.1
HCFC-124	30.5	22.9	27.3	0.1
HCFC-141		1.9	1.9	0.0
HCFC-21	1.5		1.5	0.0
HCFC-225	2.4	0.7	3.1	0.0
HCFC-225ca	1.5	1.9	1.8	0.0
HCFC-225cb	0.6	0.7	0.7	0.0
Total (ODP tonnes)	31,985.6	34,062.2	33,099.8	100.0

(*) Excluding consumption of Republic of Korea, Singapore and United Arab Emirates.

16. Eighty-eight Article 5 countries had an HCFC consumption baseline below 360 mt, 25 other countries had a baseline between 360 and 1,000 mt, while 29 countries had a baseline above 1,000 mt tonnes. Measured in metric tonnes, the HCFC consumption baseline of one country (China) represented over 57 per cent of the aggregated baseline of all Article 5 countries, while the aggregated consumption baseline of the 10 largest consuming countries (Brazil, China, Egypt, India, Kuwait, Malaysia, Mexico, Saudi Arabia, Thailand and Turkey) represented 83 per cent of the aggregated baseline of all Article 5 countries.

¹⁶ Excluding HCFC consumption and production of Republic of Korea, Singapore and United Arab Emirates.

¹⁷ Excluding South Sudan and Yemen as these two Article 5 countries have not yet reported HCFC consumption for 2009 and/or 2010.

¹⁸ Calculated as the average amount of HCFC-141b contained in pre-blended polyols imported during the 2007-2009 period, in line with decision 61/47(c)(ii).

17. HCFC-22 is consumed by all Article 5 countries, while only 63 and 36 countries had reported consumption of HCFC-141b¹⁹ and HCFC-142b respectively in 2009 and/or 2010 (i.e., baseline years). Table 7 presents the number of countries according to their level of consumption baseline for the three main HCFCs.

Table 7. Number of countries by their level of HCFC consumption baseline (ODP tonnes)

HCFC	<10	>10 and <50	>50 <100	>100 <1,000	>1,000	Total
HCFC-141b	32	11	4	15	1	63
HCFC-142b	26	5	1	3	1	36
HCFC-22(*)	68	41	10	18	2	142

(*) Three countries (Libya, South Sudan and Yemen) have not yet an established HCFC baseline.

18. For the purpose of comparison in terms of metric tonnes, the total consumption of CFCs reported by all Article 5 countries under Article 7²⁰ amounted to 178,144 mt in 1995, which represented the highest amount ever reported. The aggregated HCFC consumption baseline of 500,459.2 mt is almost three times that of the CFC consumption reported in 1995.

HCFC production in Article 5 countries²¹

19. The aggregated HCFC production baseline covering the six Article 5 countries producing HCFCs (Argentina, China, the Democratic People's Republic of Korea, India, Mexico, and Venezuela (Bolivarian Republic of)), has been established at 494,080 mt (32,595 ODP tonnes)²². HCFC-22 is produced by all 6 countries, while HCFC-123, HCFC-124, HCFC-141b and HCFC-142b are produced by only one country (China). Production of HCFC-22 by one country (China) represents 82.9 per cent of the total HCFC-22 production by the six Article 5 countries. Table 8 shows the amounts of HCFCs produced by Article 5 country and type of HCFC produced.

Table 8. HCFC production by six Article 5 countries* (Article 7 data)

Country	HCFC	2007	2008	2009	2010	Baseline
Metric tonnes						
Argentina	HCFC-22	818.1	2,856.8	3,914.1	4,251.0	4,082.6
China	HCFC-123	2,072.0	2,558.0	2,238.1	2,819.2	2,528.6
China	HCFC-124	398.0	365.0	473.9	401.0	437.5
China	HCFC-141b	86,837.0	81,298.0	91,879.9	98,857.1	95,368.5
China	HCFC-142b	22,994.0	22,724.0	24,889.7	30,449.2	27,669.5
China	HCFC-22	297,677.0	263,745.0	298,559.4	311,356.8	304,958.1
Democratic People's Republic of Korea	HCFC-22		394.3	504.0	498.0	501.0
India	HCFC-22	40,213.6	41,057.3	46,584.5	40,668.9	43,626.7
Mexico	HCFC-22	14,151.0	14,022.0	12,725.0	12,618.8	12,671.9
Venezuela (Bolivarian Republic of)	HCFC-22	1,162.7	1,391.1	2,306.9	2,166.9	2,236.9
Total (mt)		466,323.4	430,411.5	484,075.6	504,086.9	494,081.2
ODP tonnes						
Argentina	HCFC-22	45.0	157.1	215.3	233.8	224.5
China	HCFC-123	41.4	51.2	44.8	56.4	50.6
China	HCFC-124	8.8	8.0	10.4	8.8	9.6
China	HCFC-141b	9,552.1	8,942.8	10,106.8	10,874.3	10,490.5
China	HCFC-142b	1,494.6	1,477.1	1,617.8	1,979.2	1,798.5

¹⁹ The amount of HCFC-141b contained in imported pre-blended polyols is not included as this amount is usually not reported under Article 7 of the Montreal Protocol.

²⁰ Excluding Republic of Korea, Singapore and United Arab Emirates.

²¹ Excluding HCFC consumption and production of Republic of Korea, Singapore and United Arab Emirates.

²² Excluding Republic of Korea.

Country	HCFC	2007	2008	2009	2010	Baseline
China	HCFC-22	16,372.2	14,506.0	16,420.8	17,124.6	16,772.7
Democratic People's Republic of Korea	HCFC-22	-	21.7	27.7	27.4	27.6
India	HCFC-22	2,211.7	2,258.2	2,562.1	2,236.8	2,399.5
Mexico	HCFC-22	778.3	771.2	699.9	694.0	697.0
Venezuela (Bolivarian Republic of)	HCFC-22	63.9	76.5	126.9	119.2	123.0
Total (ODP tonnes)		30,568.1	28,269.7	31,832.5	33,354.5	32,593.5

(*) Excluding production of Republic of Korea.

20. The two main HCFCs produced by Article 5 countries are: HCFC-22, representing 62.1 per cent of total production measured in ODP tonnes, and HCFC-141b, representing 32.2 per cent of the total production. The combined production of HCFC-123, HCFC-124 and HCFC-142b represents 5.7 per cent of the total HCFC production as shown in Table 9.

Table 9. HCFC production by substance in Article 5 countries* (Article 7 data)

HCFC	Metric tonnes		ODP tonnes	
	Baseline	% of total	Baseline	% of total
HCFC-123	2,528.6	0.5%	50.6	0.2%
HCFC-124	437.5	0.1%	9.6	0.0%
HCFC-141b	95,368.5	19.3%	10,490.5	32.2%
HCFC-142b	27,669.5	5.6%	1,798.5	5.5%
HCFC-22	368,077.2	74.5%	20,244.2	62.1%
Total	494,081.2	100.0%	32,593.5	100.0%

(*) Excluding HCFC production by Republic of Korea.

Starting point for aggregate reduction in HCFC consumption

21. The starting point for aggregate reduction in HCFC consumption was adopted at the 60th meeting (April 2010), well in advance of the establishment of the HCFC baseline for compliance. In calculating the starting point, Article 5 countries were allowed to choose between the most recent reported HCFC consumption under Article 7 of the Protocol at the time of the submission of the HPMP and/or the first HCFC investment project, and the average of consumption forecast for 2009 and 2010 (decision 60/44(d)). It should be noted that for those HPMPs that were submitted after the HCFC baseline was established (i.e., in late 2010 or later), the calculation of the starting point was based only on the established baseline.

22. The amount of HCFC-141b contained in pre-blended polyols imported by 26 Article 5 countries was not included in the calculation of the baseline as this amount was usually not reported under Article 7 of the Montreal Protocol. "Given the importance of the matter and the desire to ensure that all eligible enterprises using HCFC-141b in pre-blended polyols could benefit from Multilateral Fund assistance"²³, the Executive Committee decided, *inter alia*, to include in the starting point the annual amount of HCFC-141b contained in imported polyol systems during the 2007-2009 period (decision 61/47(c)(ii)).

23. Given that the HCFC baselines were not yet established when the starting point was adopted, the Executive Committee agreed to adjust the starting points in cases where the established HCFC baselines (i.e., based on reported Article 7 data) were different from the calculated starting point based on the average consumption forecast for 2009 and 2010 (decision 60/44(e)). In those cases, adjustments to baselines and starting points would be made when Article 5 countries submitted a funding request for the second tranche of their HPMPs. It should be noted that, at their 23rd meeting, the Parties to the Montreal Protocol approved the requests for the revision of baseline data by 13 Article 5 parties (Barbados, Bosnia

²³ Paragraph 112 of the final report of the 61st meeting (UNEP/OzL.Pro/ExCom/61/58).

and Herzegovina, Brunei Darussalam, Guyana, Lao People's Democratic Republic, Lesotho, Palau, Solomon Islands, Swaziland, Togo, Tonga, Vanuatu and Zimbabwe) (decision XXIII/29). Ten additional Article 5 parties (Algeria, Congo, Democratic Republic of the Congo, Equatorial Guinea, Eritrea, Gambia, Guinea Bissau, Haiti, Mozambique and Niger) have submitted similar requests for consideration by the Parties at their 24th meeting²⁴.

24. Based on the options allowed for the selection of the starting point, of the 126 Article 5 countries with an established starting point²⁵:

- (a) 7 countries selected the most recent reported consumption (i.e., 2008 or 2009), and 1 country (Turkey) selected the most recent reported consumption plus HCFC-141b contained in imported pre-blended polyols;
- (b) 92 countries selected the HCFC baseline for compliance;
- (c) 23 countries selected the HCFC baseline for compliance plus HCFC-141b contained in imported pre-blended polyols; and
- (d) The starting point of three countries was calculated taking into account specific circumstances in these countries (Argentina, based on the midpoint between the reported HCFC consumption for 2008 and the established baseline, discounting the exported amount of HCFC-141b contained in pre-blended polyols; Mauritius, excluding HCFCs in stockpiles; and Nepal, based on the official HCFC consumption ceiling set by the country).

Part 3. An analysis of approved HPMPs

25. The guidelines for the preparation of stage I of HPMPs, adopted by the Executive Committee at its 54th meeting (April 2008), were developed so that Article 5 countries would meet the freeze of HCFC consumption in 2013 and the 10 per cent reduction in 2015 (decision 54/39(b)). However, in considering actual HPMPs submitted by Article 5 countries for approval, the Committee noted that several of them proposed levels of HCFC phase-out greater than the 10 per cent required to be phased out by 2015. Accordingly, since the 60th meeting, the Committee has adopted several decisions addressing this issue. Specifically, for LVC countries:

- (a) Stage I of HPMPs which accelerated the phase-out of consumption of HCFCs could be considered on a case-by-case basis for LVC countries that had a strong national level of commitment in place to support accelerated phase-out (decision 60/15);
- (b) HPMPs for Article 5 countries that had total HCFC consumption of up to 360 mt to meet up to the 35 per cent reduction in 2020 could be submitted if the countries so decided (decision 60/44(f)(xi));
- (c) HPMPs for LVC countries which addressed phase-out of HCFCs ahead of the Montreal Protocol schedule (even up to the complete phase-out of HCFCs) could be submitted (decision 62/10);
- (d) HPMPs to assist former LVC countries with HCFC consumption that was above 360 mt in the refrigeration servicing sector only, could be submitted to meet control measures up to 2020 (decision 62/11).

²⁴ The request for the change of baseline will be discussed at the 48th meeting of the Implementation Committee under the Non-Compliance Procedure for the Montreal Protocol (UNEP/OzL.Pro/ImpCom/48/1).

²⁵ Four countries (Philippines, Saudi Arabia, Syrian Arab Republic and Turkey) have not yet an approved HPMP.

26. Noting that stage I of HPMPs for some non-LVC countries were proposing to address more than 10 per cent of the baseline by 2015, at its 63rd meeting (April 2011) the Executive Committee agreed to note in the respective decision for each such HPMP that the amount of HCFC consumption to be phased out should assist the country in making progress towards meeting the control measures beyond 2015 accordingly, on the understanding that Article 5 countries would still be able to submit stage II proposals when the Executive Committee approved the last tranche of stage I and that the approach was without prejudice to the tonnage of HCFCs that could be put forward for phase-out in stage II proposals²⁶. From the 64th meeting (July 2011), HPMPs that proposed addressing more than 10 per cent of the baseline by 2015 were approved with a commitment from the governments concerned to meet specific reduction levels in their baselines.

27. So far the Executive Committee has approved 122 HPMPs, 79 for LVC countries and 43 for non-LVC countries. A brief analysis of these HPMPs is presented below. Annex I to the present report lists all Article 5 countries with an approved HPMP indicating their HCFC baseline for compliance, their starting points; the amount of HCFCs approved for phase out and the remaining eligible consumption.

HPMPs approved for LVC countries

28. The 79 LVC countries with approved HPMPs have committed to reducing their HCFC consumption baselines as follows:

- (a) 10 per cent by 2015 for 6 countries (Angola, Armenia, Guyana, Kyrgyzstan, Republic of Moldova and Timor Leste);
- (b) 35 per cent by 2020 for 64 countries (Albania, Antigua and Barbuda, Bahamas, Belize, Bolivia, Bosnia and Herzegovina, Brunei Darussalam, Burundi, Cape Verde, Central African Republic, Chad, Comoros, Congo, Cook Islands, Costa Rica, Cuba, Djibouti, Dominica, Ecuador, El Salvador, Equatorial Guinea, Fiji, Gambia, Georgia, Grenada, Guatemala, Guinea Bissau, Honduras, Jamaica, Kiribati, Lesotho, Liberia, Malawi, Mali, Marshall Islands, Micronesia (Federated States of), Mongolia, Montenegro, Mozambique, Nauru, Nepal, Nicaragua, Niue, Palau, Paraguay, People's Democratic Republic of Lao, Rwanda, Saint Kitts and Nevis, Saint Lucia, Samoa, Sao Tome and Principe, Serbia, Sierra Leone, Solomon Islands, Sri Lanka, Suriname, Swaziland, the Former Yugoslav Republic of Macedonia, Tonga, Turkmenistan, Tuvalu, Vanuatu, Zambia and Zimbabwe); and
- (c) Complete phase-out in advance of the Montreal Protocol schedule by 9 countries (Bhutan, Cambodia, Croatia, Maldives, Mauritius, Namibia, Papua New Guinea, Saint Vincent and the Grenadines, and Seychelles).

29. The main activities included in stage I of the HPMPs submitted by LVC countries are related to reducing the consumption of HCFCs used for servicing refrigeration and air-conditioning equipment. While stage I of all of the HPMPs reduce the level of consumption of mainly HCFC-22, several of them also reduce the level of consumption of other HCFCs, mainly HCFC-141b (used for flushing refrigeration circuits), and HCFC-123, HCFC-124 and HCFC-142b as components of refrigerant blends. Additionally, stage I of the HPMPs of 14 countries²⁷ also included investment activities for the phase-out of HCFCs used in the manufacturing sector (i.e., HCFC-141b used as a foam blowing agent, either imported in bulk or contained in imported pre-blended polyols). As a result, implementation of the phase-out activities proposed in stage I of the HPMPs approved for the 79 LVC countries will result in the phase-out of 43

²⁶ Paragraphs 73 and 74 of the final report of the 63rd meeting (UNEP/OzL.Pro/ExCom/63/60).

²⁷ Armenia, Bosnia and Herzegovina, Costa Rica, Croatia, Cuba, Ecuador, El Salvador, Fiji, Guatemala, Jamaica, Nicaragua, Sri Lanka, Swaziland and Zimbabwe.

per cent of the aggregated baseline and 79 per cent of the amounts of HCFC-141b contained in imported polyols. Table 10 summarizes the amounts to be phased out for each HCFC consumed in the country. The data is presented in three groups according to the phase-out amounts committed to in the HPMPs (i.e., 10 per cent, 35 per cent, and complete phase-out).

Table 10. Amounts of HCFCs to be reduced in stage I of HPMPs for LVC countries (ODP tonnes)

HCFC*	Baseline	Starting point	Approved	Remaining	% approved
(1)	(2)	(3)	(4)	(5)	(6)
10 per cent reduction by 2015 (6 LVC countries)					
HCFC-141b	0.80	0.73	-	0.73	-
HCFC-142b	0.20	0.17	-	0.17	-
HCFC-22	29.50	29.19	3.81	25.38	13.1
HCFC-141bPolyol	-	0.83	0.83	-	100.0
35 per cent reduction by 2020 (64 LVC countries)					
HCFC-123	0.70	0.58	0.06	0.52	10.3
HCFC-124	0.70	0.61	0.35	0.26	57.4
HCFC-141b	32.20	29.20	21.39	8.20	73.3
HCFC-142b	4.40	3.97	1.29	2.68	32.5
HCFC-22	323.90	311.88	109.23	202.66	35.0
HCFC-141bPolyol	-	74.36	58.54	15.82	78.7
Complete phase-out (9 LVC countries)					
HCFC-141b	0.90	3.55	2.21	-	62.3
HCFC-142b	0.10	0.12	0.12	-	100.0
HCFC-22	44.10	44.07	44.07	-	100.0
Total (79 LVC countries)					
HCFC-123	0.70	0.58	0.06	0.52	10.3
HCFC-124	0.70	0.61	0.35	0.26	57.4
HCFC-141b	33.90	33.48	23.60	8.93	70.5
HCFC-142b	4.70	4.26	1.41	2.85	33.1
HCFC-22	397.50	385.14	157.11	228.04	40.8
HCFC-141bPolyol	-	75.19	59.37	15.82	79.0
Summary grand total					
HCFCs	437.50	424.07	182.53	240.60	43.0
HCFC-141bPolyol	-	75.19	59.37	15.82	79.0

(*) HCFC-141bPolyol, refers to HCFC-141b contained in imported pre-blended polyols and not reported under Article 7 of the Montreal Protocol.

(1) HCFCs consumed by LVC countries (reported under Article 7 of the Protocol).

(2) Aggregated HCFC consumption baseline by type of HCFC.

(3) Aggregated starting point for aggregate reductions in HCFC consumption. Starting points for several Article 5 countries would be adjusted based on the established baseline in line with decision 60/44(e).

(4) Amounts of HCFCs approved to be phased out in stage I of HPMPs.

(5) Remaining amounts of HCFCs eligible for funding (i.e., (4) – (3)).

(6) Ratio (in per cent) of the amount of HCFC approved to be phased out (4) and the starting point (3).

HPMPs approved for non-LVC countries

30. The 43 non-LVC countries with approved HPMPs have committed to reducing their HCFC consumption baselines as follows:

- (a) 10 per cent by 2015 for 15 countries (Brazil, Chile, China, Colombia, Democratic Republic of Congo, Dominican Republic, India, Islamic Republic of Iran, Nigeria, Oman, Pakistan, Panama, Uruguay, Venezuela (Bolivarian Republic of) and Viet Nam). The HPMPs of 3 countries (Chile; Islamic Republic of Iran and Viet Nam) were approved with the notion that the amount of HCFCs to be phased out should assist them in making

progress toward meeting control measures beyond 2015; and

- (b) More than 10 per cent of their consumption baselines by a specific year beyond 2015 for the 28 countries shown in Table 11.

Table 11. HCFC consumption phase-out commitments by non-LVC Article 5 countries with an approved HPMP

Former LVC countries			Non-LVC countries		
Article 5 country	% reduction	Target year	Article 5 country	% reduction	Target year
Benin	35	2020	Afghanistan	35	2020
Burkina Faso	35	2020	Algeria	20	2017
Cameroon	20	2015	Argentina	18	2017
Cote d'Ivoire	35	2020	Bangladesh	30	2018
Gabon	35	2020	Egypt	25	2018
Ghana	35	2020	Indonesia	20	2015
Guinea	35	2020	Iraq	14	2015
Kenya	21	2017	Jordan	20	2017
Madagascar	35	2020	Kuwait	39	2018
Niger	35	2020	Lebanon	18	2015
Qatar	20	2015	Malaysia	15	2016
Senegal	35	2020	Mexico	30	2015
Togo	35	2020	Morocco	20	2017
Trinidad and Tobago	35	2020	Sudan	30	2017

31. The main activities included in stage I of the HPMPs of several non-LVC countries are related to reducing the consumption of HCFCs used in the manufacturing sector, mainly HCFC-141b used as a polyurethane foam blowing agent and, to a lesser extent, HCFC-22 used as refrigerant in the manufacturing of refrigeration and air-conditioning equipment, and HCFC-22/HCFC-142b used in the production of extruded polystyrene foams. In order to reduce the future demand of HCFC-22, the majority of HPMPs for non-LVC countries with investment activities addressing the manufacturing sector had also included activities for the refrigeration servicing sector. HPMPs of other non-LVC countries have included only activities in the refrigeration servicing sector, as the HCFC in these countries is mostly in the servicing sector (e.g., most of the former LVC countries) or because there were no cost-effective and sustainable technologies to phase out the HCFC used in the manufacturing sector (e.g., Chile or Venezuela (Bolivarian Republic of)).

32. As a result, implementation of the phase-out activities proposed in stage I of the HPMPs approved for the 43 non-LVC countries will result in the phase-out of 21 per cent of the aggregated baseline and approximately 46 per cent of the amounts of HCFC-141b contained in imported polyols. Table 12 summarizes the amounts to be phased out for each HCFC consumed in these countries. Given the much higher level of HCFC consumption by one country (China) as compared to all others, the data is presented in two groups: one with aggregated amounts for 42 non-LVC countries; and the other with aggregated amounts for China.

Table 12. Amounts of HCFCs to be reduced in stage I of HPMPs for non-LVC countries (ODP tonnes)

HCFC*	Baseline	Starting point	Approved	Remaining	% approved
(1)	(2)	(3)	(4)	(5)	(6)
42 non-LVC countries (excluding one country, China)					
HCFC-123	15.90	14.19	0.38	13.81	2.68
HCFC-124	23.40	22.90	0.68	22.22	2.97
HCFC-141	1.90	0.94	-	0.94	-
HCFC-141b	3,650.00	3,769.58	1,662.42	2,107.16	44.10
HCFC-142b	299.70	285.37	101.89	183.50	35.70

HCFC*	Baseline	Starting point	Approved	Remaining	% approved
(1)	(2)	(3)	(4)	(5)	(6)
HCFC-21	1.50	0.74	-	0.74	-
HCFC-22	5,284.20	5,211.38	712.46	4,498.92	13.67
HCFC-225	0.70	0.40	-	0.40	-
HCFC-141b Polyol	-	403.66	184.49	219.17	45.70
1 non-LVC country (China)					
HCFC-123	10.60	6.60	-	6.60	-
HCFC-124	3.00	6.60	-	6.60	-
HCFC-141b	5,941.30	5,923.00	1,698.05	4,224.95	28.67
HCFC-142b	1,473.60	1,508.90	266.95	1,241.95	17.69
HCFC-22	11,839.40	11,962.30	1,480.60	10,481.70	12.38
HCFC-225ca	1.30	1.00	-	1.00	-
All 43 non-LVC countries					
HCFC-123	26.50	20.79	0.38	20.41	1.83
HCFC-124	26.40	29.50	0.68	28.82	2.31
HCFC-141	1.90	0.94	-	0.94	-
HCFC-141b	9,591.30	9,692.58	3,360.47	6,332.11	34.67
HCFC-142b	1,773.30	1,794.27	368.84	1,425.45	20.56
HCFC-21	1.50	0.74	-	0.74	-
HCFC-22	17,123.60	17,173.68	2,193.06	14,980.62	12.77
HCFC-225	0.70	0.40	-	0.40	-
HCFC-225ca	1.30	1.00	-	1.00	-
HCFC-141bPolyol*	-	403.66	184.49	219.17	45.70
Summary grand total					
42 non-LVC countries	9,277.30	9,709.16	2,662.32	7,046.86	27.42
1 non-LVC country (China)	19,269.20	19,408.40	3,445.60	15,962.80	17.75
All 43 non-LVC countries	28,546.50	29,117.56	6,107.92	23,009.66	20.98

(*) HCFC-141b Polyol, refers to HCFC-141b contained in imported pre-blended polyols and not reported under Article 7 of the Montreal Protocol.

(1) HCFCs consumed by non-LVC countries (reported under Article 7 of the Protocol).

(2) Aggregated HCFC consumption baseline by type of HCFC.

(3) Aggregated starting point for aggregate reductions in HCFC consumption. Starting points for several Article 5 countries would be adjusted based on the established baseline in line with decision 60/44(e).

(4) Amounts of HCFCs approved to be phased out in stage I of HPMPs.

(5) Remaining amounts of HCFCs eligible for funding (i.e., (4) – (3)).

(6) Ratio (in per cent) of the amount of HCFC approved to be phased out (4) and the starting point (3).

HCFC to be phased-out in approved HPMPs

33. In summary, implementation of the 122 HPMPs so far approved will result in the total phase out of 6,349.82 ODP tonnes of HCFCs, consisting of 6,105.96 ODP tonnes of HCFCs reported under Article 7 of the Montreal Protocol and 243.86 ODP tonnes of HCFC-141b contained in imported pre-blended polyols. The amounts of HCFCs to be phased-out by HCFC are shown in Table 13.

Table 13. Total amounts of HCFCs to be phased-out in the 122 HPMPs so far approved (ODP tonnes)

HCFC	Baseline	Starting point	Approved	Remaining	% approved
(1)	(2)	(3)	(4)	(5)	(6)
HCFC-123	27.20	21.37	0.44	20.93	2.06
HCFC-124	27.10	30.11	1.03	29.08	3.42
HCFC-141	1.90	0.94	-	0.94	-
HCFC-141b	9,625.20	9,726.06	3,384.07	6,341.04	34.79
HCFC-142b	1,778.00	1,798.53	370.25	1,428.30	20.59
HCFC-21	1.50	0.74	-	0.74	-
HCFC-22	17,521.10	17,558.82	2,350.17	15,208.66	13.38

HCFC	Baseline	Starting point	Approved	Remaining	% approved
HCFC-225	0.70	0.40	-	0.40	-
HCFC-225ca	1.30	1.00	-	1.00	-
Sub-total HCFCs	28,984.00	29,137.97	6,105.96	23,031.09	20.96
HCFC-141bPolyol*	-	478.85	243.86	234.99	50.93
Grand total	28,984.00	29,616.82	6,349.82	23,266.08	21.44

(*) HCFC-141b Polyol, refers to HCFC-141b contained in imported pre-blended polyols and not reported under Article 7 of the Montreal Protocol.

(1) HCFCs consumed by Article 5 countries (reported under Article 7 of the Protocol).

(2) Aggregated HCFC consumption baseline by type of HCFC.

(3) Aggregated starting point for aggregate reductions in HCFC consumption. Starting points for several Article 5 countries would be adjusted based on the established baseline in line with decision 60/44(e).

(4) Amounts of HCFCs approved to be phased out in stage I of HPMPs.

(5) Remaining amounts of HCFCs eligible for funding (i.e., (4) – (3)).

(6) Ratio (in per cent) of the amount of HCFC approved to be phased out (4) and the starting point (3).

Article 5 countries without an approved HPMP

34. Of the 145 Article 5 countries that are eligible for receiving assistance for phasing out HCFC consumption, 23 do not have yet an approved HPMP. The list of countries with their established HCFC baselines, when available, is presented in Table 14. It may be noted that:

- (a) 10 countries are LVCs, with an aggregated HCFC consumption baseline of 34 ODP tonnes;
- (b) 13 countries are non-LVCs with an aggregated HCFC consumption baseline of 4,081.80 ODP tonnes²⁸. The aggregated HCFC baseline of the three largest consuming countries (Saudi Arabia, Thailand and Turkey) represents approximately 74 per cent of the aggregated baseline of all 13 countries;
- (c) HCFC phase-out activities have already been approved for 4 countries (Philippines, Saudi Arabia, Syrian Arab Republic and Turkey). These countries have also selected the starting point for aggregate reductions in HCFC consumption;
- (d) 7 countries have submitted an HPMP to the 67th meeting (Eritrea, Myanmar (subsequently withdrawn), Somalia, South Africa, Syrian Arab Republic (subsequently deferred to the 68th meeting), Tanzania and Thailand).

Table 14. Article 5 countries without an approved HPMP (ODP tonnes)

Country	Baseline	Starting point	Approved	Remaining	% approved
LVC countries					
Barbados	3.70			3.70	
Botswana	11.00			11.00	
Eritrea*	0.10			0.10	
Ethiopia	11.00			11.00	
Haiti	1.90			1.90	
Myanmar*	4.40			4.40	
South Sudan					
Tanzania*	1.70			1.70	
Uganda	0.20			0.20	
Yemen					

²⁸ The HCFC baseline for one country (Somalia) calculated using the data gathered during the preparation of the HPMP is 5.3 ODP tonnes instead of 45.1 ODP tonnes established under Article 7 of the Protocol. An additional 1.68 ODP tonnes of HCFC-141b is imported in pre-blended polyols. The Government of Somalia has submitted an official request to the Ozone Secretariat for the revision of its HCFC consumption data.

Country	Baseline	Starting point	Approved	Remaining	% approved
Subtotal (LVC countries)	34.00			34.00	
Non-LVC countries					
Bahrain	52.00			52.00	
Democratic People's Republic of Korea	78.00			78.00	
Libya					
Mauritania	20.50			20.50	
Peru	27.00			27.00	
Philippines	208.50	208.50	40.00	168.50	19.18
Saudi Arabia	1,468.80	1,468.80	179.40	1,289.40	12.21
Somalia*, **	45.10			45.10	
South Africa*	371.50			371.50	
Syrian Arab Republic*	135.20	135.20	12.90	122.30	9.54
Thailand*	929.00			929.00	
Tunisia	40.80			40.80	
Turkey	607.90	640.80	293.70	314.20	45.83
Subtotal (non-LVC countries)	3,984.30	2,453.30	526.00	3,458.30	21.44
Grand total	4,018.30	2,453.30	526.00	3,492.30	21.44

(*) HPMP submitted to the 67th meeting. Subsequently, the HPMP for Myanmar was withdrawn and the HPMP for the Syrian Arab Republic was deferred to the 68th meeting.

(**) If the Parties agree on changing the HCFC baseline, Somalia will be categorized as an LVC-country.

35. For the purpose of this document only, it is assumed that the 10 LVC countries will reduce their baseline consumption by 35 per cent between 2015 and 2020, while the 13 non-LVC countries will reduce their baseline by 20 per cent by 2015²⁹. Based on this assumption, 11.90 ODP tonnes of HCFCs would need to be phased out by the 10 LVC countries, and an additional 290.36 ODP tonnes would need to be phased out by the 13 non-LVC countries in stage I of their HPMPs.

HCFC phase-out in the production sector

36. The aggregated HCFC production baseline of the 6 Article 5 countries that have been receiving assistance from the Multilateral Fund has been established at 32,593.8 ODP tonnes. In order to be in compliance with the Montreal Protocol, the maximum allowable levels of production would be equal to the individual baselines between 1 January 2013 and 31 December 2014 and then to be reduced by 10 per cent (i.e., 3,259.4 ODP tonnes) by 1 January 2015. One of the 6 Article 5 countries has submitted a project proposal for reducing the levels of production of HCFCs to the 67th meeting.

37. It should be noted that the Executive Committee is currently considering policy issues related to HCFC phase-out in the production sector, including the funding eligibility of several HCFC-22 production facilities in some Article 5 countries.

Part 4. Level of funding agreed in principle

38. For the purpose of this document, the funding commitments of the Multilateral Fund are grouped as follows:

- (a) Multi-year phase-out plans excluding HPMPs. The total funding associated with outstanding tranches from multi-year plans approved in principle amounts to US \$7,018,272. As proposed in the relevant agreements, these tranches should be requested between 2012 and 2014 as shown in Table 15. Two Article 5 countries had

²⁹ The HPMPs of 3 LVC countries and one non-LVC country (Somalia) submitted to the 67th meeting propose to reduce their HCFC consumption baseline by 35 per cent by 2020. The actual reduction levels of the HCFC consumption baselines of the three non-LVC countries will be known only at the close of the 67th meeting.

submitted a request for funding of a tranche to the 67th meeting (China for a MB multi-year plan; and India for CFC production sector);

Table 15. Outstanding funding tranches of multi-year phase-out plans approved in principle (US\$)

Country	ODS	2012	2013	2014	Total
Consumption					
Chile	MB		599,761		599,761
China	MB	537,500*	537,500	325,448	1,400,448
Guatemala	MB	1,013,776			1,013,776
Mexico	MB		454,057		454,057
Viet Nam	MB		62,655	43,000	105,655
Yemen	MB	225,325			225,325
Subtotal		1,776,601	1,653,973	368,448	3,799,022
Production					
India	CFC	1,295,000*			1,295,000
China	MB			1,924,250	1,924,250
Subtotal		1,295,000		1,924,250	3,219,250
Grand total		3,071,601	1,653,973	2,292,698	7,018,272

(*) Funding request submitted to the 67th meeting.

- (b) Multi-year HCFC phase-out plans associated with approved HPMPs. The total funding approved in principle amounts to US \$519,067,108 for the complete phase-out of 6,105.96 ODP tonnes of HCFCs plus 243.86 ODP tonnes of HCFC-141b contained in imported pre-blended polyols. Of this amount, US \$262,103,747 has already been approved; US \$233,540,467 could be requested during the remainder of 2012 and in the 2013-2015 triennium, and US \$22,953,381 will be requested after 2015. Annex II to the present document summarizes the funding tranches by Article 5 country that could be requested during the remainder of 2012 and in the 2013-2015 triennium;
- (c) Renewal of institutional strengthening projects³⁰ at a total funding level of US \$30,870,701³¹ that could be requested during the remainder of 2012 and up to the end of 2015; and
- (d) Other funding commitments, associated with the Executive Committee meetings and Fund Secretariat, the Treasurer, UNEP's Compliance Assistance Programme (CAP), and the core units of the implementing agencies amounting to US \$93,111,902³², as shown in Table 16.

Table 16. Other funding commitments (US\$)

Description	2012	2013	2014	2015	Total
Secretariat/ExCom*	5,991,169	6,119,862	6,252,415	6,388,946	24,752,391
Treasurer	500,000	500,000	500,000	500,000	2,000,000
UNEP CAP*	9,997,139	10,297,053	10,605,965	10,924,144	41,824,301
Agencies' core units*	5,864,579	6,040,517	6,221,731	6,408,383	24,535,210
Total	22,352,887	22,957,432	23,580,111	24,221,473	93,111,902

(*) A 3 per cent growth rate is considered for the salary component of the Secretariat budget, UNEP CAP and the core units of the implementing agencies. It is to be noted that the Executive Committee will

³⁰ The governments of El Salvador, Former Yugoslav Republic of Macedonia, Papua New Guinea, Montenegro and Turkmenistan included their institutional strengthening projects as a component of their HPMPs

³¹ This funding level is based on the assumption that renewal of institutional strengthening projects will remain at the current funding levels.

³² The 2012-2014 figures are those included in the 2012-2014 business plan of the Multilateral Fund as noted by the Executive Committee at its 66th meeting.

consider options for an administrative cost regime for the 2012-2014 triennium at its 67th meeting (UNEP/OzL.Pro/ExCom/67/17).

39. In summary, for the remainder of 2012 and in the 2013-2015 triennium, the total level of funding approved in principle and other funding commitments amounts to US \$364,541,342.

40. The total value of new multi-year projects as submitted (prior to determination of the eligibility of their incremental costs) to the 67th meeting amounts to US \$353,225,527, including national/sectoral ODS phase-out plans in the production and consumption sectors new HPMPs and tranches of already approved HPMPs (US \$52,225,527), and HCFC phase out in the production sector in one country (US \$301,000,000). However, the exact amounts and the funding implications for the remainder of 2012 and the 2013-2015 triennium will be known only at the close of the 67th meeting.

Part 5. Conclusions and recommendations

Conclusions

41. The conclusions of this document are grouped as follows: ODS excluding HCFCs; HCFCs and HPMPs; further guidelines and decisions on HCFCs; and information used for the preparation of the model.

ODS excluding HCFCs

42. Phase-out plans addressing all eligible amounts of CFCs, halons, CTC, TCA and MB to enable compliance with the Montreal Protocol's phase-out reduction targets have been approved for all Article 5 countries eligible to receive assistance from the Multilateral Fund. The Executive Committee should be cognizant of the fact that:

- (a) Of the aggregated consumption baseline of all ODS excluding HCFCs of 276,459.8 ODP tonnes, only 4,265.6 ODP tonnes of ODS were consumed in Article 5 countries in 2010. Of this amount, 2,411.0 ODP tonnes are related to TCA and MB which should be completely phased out by 1 January 2015 in accordance with the Montreal Protocol. Moreover, the Parties to the Montreal Protocol had authorized consumption of 2,062.5 ODP tonnes of CFCs in 2010 to satisfy essential uses for the manufacture of MDIs. It is also assumed that the majority (or all) of the 282.9 ODP tonnes of CTC consumed in 2010³³ is related to exempted laboratory uses or process agent uses;
- (b) Only three ODS, namely CFC, CTC and MB were produced in 2010. With regard to CFCs, only 1,498.9 ODP tonnes, representing 1.5 per cent of the aggregated production baseline by all Article 5 countries that have received assistance from the Fund, were produced by two countries (China and India) in 2010. This production is most probably associated with essential uses. With regard to CTC, 282.6 ODP tonnes, equivalent to 0.4 per cent of the aggregated baseline, was produced by one country (China), possibly for process agent uses. MB, which can be produced up to 1 January 2015, was produced by one country (China, with a total production of 201.7 ODP tonnes, representing 25.0 per cent of the aggregated production baseline); and
- (c) Except for one tranche for CFC production phase-out (which has been submitted for its approval at the 67th meeting), all other outstanding tranches of approved multi-year phase-out plans are related to MB (both consumption and production), with a submission schedule between 2012 and 2014 as specified in the respective agreements. Once these

³³ One country (China) consumed 282.6 ODP tonnes, while three countries (Croatia, Mexico and Nepal) consumed 0.1 ODP tonne each.

funding tranches are approved, no more funding commitments would be available from the Multilateral Fund for the phase-out of consumption and production of CFCs, halon, CTC, TCA and MB.

HCFCs and HPMPs

43. Based on the HCFC data reported under Article 7 of the Montreal Protocol by Article 5 countries that have received assistance from the Fund, the consumption and production baselines have been established at 33,100 ODP tonnes and 32,593.5 ODP tonnes respectively. Of the ten HCFCs consumed by Article 5 countries, the consumption of HCFC-141b, HCFC-142b and HCFC-22 represents over 99.0 per cent of the total consumption of HCFCs. Of these three HCFCs, HCFC-22 is consumed by all Article 5 countries, while HCFC-141b and HCFC-142b are consumed by 63 and 36 countries, respectively.

44. For reducing their HCFC consumption baselines, 144 Article 5 countries³⁴ had received assistance from the Multilateral Fund for the preparation of HPMPs. So far, 122 HPMPs have been approved; 7 have been submitted to the 67th meeting for consideration by the Executive Committee (two of which were subsequently withdrawn or deferred), while the remaining 16 are still under preparation. Although it had been proposed that stage I of the HPMPs would address the HCFC baseline freeze in 2013 and the 10 per cent reduction in 2015, the majority of Article 5 countries with an approved HPMP had committed to address greater reductions in their levels of consumption. Specifically,

- (a) 21 countries (6 LVC and 15 non-LVC countries) had committed to reduce their consumption baselines by 10 per cent by 2015;
- (b) 15 non-LVC countries had committed to reduce their consumption between 14 per cent and 30 per cent of their baselines between 2015 and 2017;
- (c) 77 countries (64 LVC and 13 non-LVC countries) had committed to reduce their consumption baselines by 35 per cent (39 per cent by one country (Kuwait)) by 2020.
- (d) 9 LVC countries had committed to completely phase-out their HCFC consumption between 2020 and 2030.
- (e) For the purpose of this document only, it is assumed that the 10 LVC countries without an approved HPMP will reduce their baseline by 35 per cent by 2020, while the 13 non-LVC countries without an approved HPMP will reduce their baseline by 20 per cent between 2015 and 2020. Based on these assumptions, a total of 302.26 ODP tonnes would need to be phased out;
- (f) In 2013, the maximum allowable level of HCFC production by Article 5 countries that have received assistance from the Fund would be 32,593.8 ODP tonnes (i.e., the production baseline). This level would have to be reduced by 3,259.4 ODP tonnes by 1 January 2015. Guidelines for the HCFC production sector are being considered by the Executive Committee;

Further guidelines and decisions on HCFCs

45. In 2012 and 2013, the Executive Committee would need to consider guidelines on HCFC production and consumption sectors that could have implications on the business plans of the Multilateral Fund in future years. For instance:

³⁴ South Sudan has not yet ratified any of the amendments to the Montreal Protocol. Therefore, in line with decision 53/37, funding has not been approved for the preparation of the HPMP.

- (a) Discussion on the guidelines for the HCFC production sector will continue at the 67th meeting. The guidelines could have an impact on the phase-out plans from Article 5 countries where HCFCs are produced with swing plants that have already received CFC closure funding, as there is no current eligibility for additional support based on the agreements between the Executive Committee and all producing countries except China;
- (b) The eligible incremental costs of HCFC phase-out projects that were agreed at the 60th meeting (decision 60/44), will be reviewed in 2013. A revision of the incremental costs could have an impact on stage II of the HPMPs from the 16 countries that had committed only to reduce 10 per cent of their baselines by 2015 and the 28 non-LVC countries (13 of which have not yet an approved HPMP) that had committed to reduce by 14 per cent to 30 per cent their baseline consumption between 2015 and 2017;
- (c) The Secretariat, in cooperation with the implementing agencies, has been requested to prepare guidelines for the preparation of stage II HPMPs, including options for phase-out up to the 2020 control target as well as total phase-out, for submission to the 69th meeting (decision 66/5(c)). These stage II guidelines could have an impact on the stage I HPMPs for the 15 non-LVC countries that had committed to reduce their baseline consumption by 14 to 30 per cent. Although approval of their stage I HPMPs did not preclude the countries from submitting, prior to 2015, a proposal to achieve phase-out of HCFCs beyond that addressed in stage I, the Committee would need to consider the level of HCFCs to be reduced during stage II HPMPs. For instance, it could be the difference between the 35 per cent reduction of the baseline and the percentage reduction already committed in stage I in order to comply with the allowable level of consumption in 2020.

Information used for the preparation of the model

46. In preparing this document, the Secretariat noted that similar analysis of the data used for updating the model three-year rolling phase-out plan are also done in other documents that are considered by the Executive Committee.

47. The new document “status reports and compliance³⁵” provides a thorough analysis on the status of compliance of Article 5 countries; provides information on countries that are subject to decisions of the Parties and recommendations of the Implementation Committee on compliance; presents data on the implementation of country programmes as well as the characteristics of national ODS phase-out programmes. The document also presents in annexes, detailed information for each country. With regard to HCFCs, it includes an analysis of the latest consumption data, indicates whether the country had received HPMP preparation funding, the number of demonstration and investment projects approved, the total amount of HCFCs to be phased out and activities planned in the 2012 business plans. Additional information has been provided to indicate HPMPs approved to-date, those submitted to the 67th meeting, and the duration covered by the HPMP (such as, HPMPs approved to achieve the 10 per cent reduction in 2015 or the 35 per cent reduction in 2020). The document, is updated at every meeting of the Executive Committee, and is also submitted to the meetings of the Implementation Committee under the Non-Compliance Procedure for the Montreal Protocol as an information meeting.

48. At the first meeting of each calendar year, the Executive Committee considers the business plan of the Multilateral Fund covering a three-year period (commencing with the year when the business plan is submitted). Up until the 2010-2012 business plan, the model three-year phase-out plan was adopted as a flexible guide for resource planning for the corresponding triennium. The consolidated 2012-2014 business plan of the Multilateral Fund³⁶, which was the most recently business plan considered by the

³⁵ UNEP/OzL.Pro/ExCom/67/6.

³⁶ UNEP/OzL.Pro/ExCom/66/7, containing the consolidated 2012-2014 business plan of the Multilateral Fund.

Executive Committee (66th meeting, April 2012), contained relevant information by country on amounts of HCFCs (by type and sector) to be phased-out on an annual basis between 2012 and 2020 (and aggregated for subsequent years). It also contained information on HCFC production, HCFC servicing sector in LVC and non-LVC countries, an analysis of funding requests and associated amounts of HCFCs to be phase-out for investment activities in the manufacturing sector (foam, refrigeration, and solvents); and performance indicators.

49. Although the sources of information used for the preparation of the above-mentioned documents are the same, each document presents different analysis of the same data, thus resulting in duplication and potential contradictions. In some cases the documents are based on Article 7 data reports issued at different times, resulting in potential data discrepancies.

50. Given the above facts, the Executive Committee might wish to consider requesting the Secretariat to assess the HCFC compliance requirements for all Article 5 countries under the document on status reports and compliance to be used as a guide for the preparation of the business plan of the Multilateral Fund, once the guidelines for HCFC production sector and stage II of the consumption sector have been decided.

Recommendations

51. The Executive Committee may wish to consider:

- (a) Noting the document on the 2013-2015 model three-year phase-out plan contained in document UNEP/OzL.Pro/ExCom/67/17;
- (b) Urging bilateral and implementing agencies to work with those Article 5 countries that have not yet an approved HCFC phase-out management plan (HPMP) to complete the preparation of their HPMPs and submit them for consideration of the Executive Committee;
- (c) Requesting the Secretariat to assess the HCFC compliance requirements for all Article 5 countries under the document on status reports and compliance to be used as a guide for the preparation of the business plan of the Multilateral Fund, once the guidelines for HCFC production sector and stage II of the consumption sector have been decided.

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
LOW VOLUME CONSUMING COUNTRIES					
Albania					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-142b	0.60	0.29	0.00	0.29	0.00%
HCFC-22	5.70	5.62	2.10	3.52	37.37%
<i>Total for Albania</i>	<i>6.30</i>	<i>5.91</i>	<i>2.10</i>	<i>3.81</i>	<i>35.53%</i>
Angola					
<i>HPMP approved at ExCom 65 to reduce 10% of baseline by 2015</i>					
HCFC-22	16.00	15.95	1.59	14.36	9.97%
<i>Total for Angola</i>	<i>16.00</i>	<i>15.95</i>	<i>1.59</i>	<i>14.36</i>	<i>9.97%</i>
Antigua and Barbuda					
<i>HPMP approved at ExCom 66 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.30	0.30	0.00	0.30	0.00%
<i>Total for Antigua and Barbuda</i>	<i>0.30</i>	<i>0.30</i>	<i>0.00</i>	<i>0.30</i>	<i>0.00%</i>
Armenia					
<i>HPMP approved at ExCom 62 to reduce 10% of baseline by 2015</i>					
HCFC-141bPolyol	0.00	0.83	0.83	0.00	100.00%
HCFC-22	7.00	7.00	1.40	5.60	20.00%
<i>Total for Armenia</i>	<i>7.00</i>	<i>7.83</i>	<i>2.23</i>	<i>5.60</i>	<i>28.48%</i>
Bahamas					
<i>HPMP approved at ExCom 65 to reduce 35% of baseline by 2020</i>					
HCFC-22	4.80	4.81	1.68	3.13	34.93%
<i>Total for Bahamas</i>	<i>4.80</i>	<i>4.81</i>	<i>1.68</i>	<i>3.13</i>	<i>34.93%</i>
Barbados					
<i>HPMP not yet approved</i>					
HCFC-142b	0.10	0.01	0.00	0.01	0.00%
HCFC-22	3.60	3.42	0.00	3.42	0.00%
<i>Total for Barbados</i>	<i>3.70</i>	<i>3.43</i>	<i>0.00</i>	<i>3.43</i>	<i>0.00%</i>
Belize					
<i>HPMP approved at ExCom 62 to reduce 35% of baseline by 2020</i>					
HCFC-141b	0.20	0.12	0.04	0.08	33.33%
HCFC-22	2.70	2.68	0.99	1.69	36.94%
<i>Total for Belize</i>	<i>2.90</i>	<i>2.80</i>	<i>1.03</i>	<i>1.77</i>	<i>36.79%</i>
Bhutan					
<i>HPMP approved at ExCom 63 to reduce 100% of baseline by 2030</i>					
HCFC-22	0.30	0.30	0.30	0.00	100.00%
<i>Total for Bhutan</i>	<i>0.30</i>	<i>0.30</i>	<i>0.30</i>	<i>0.00</i>	<i>100.00%</i>
Bolivia					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-124	0.10	0.10	0.10	0.00	100.00%
HCFC-141b	1.00	1.00	1.00	0.00	100.00%
HCFC-141bPolyol	0.00	0.60	0.00	0.60	0.00%
HCFC-142b	0.20	0.17	0.00	0.17	0.00%
HCFC-22	4.90	3.68	0.60	3.08	16.30%
<i>Total for Bolivia</i>	<i>6.20</i>	<i>5.55</i>	<i>1.70</i>	<i>3.85</i>	<i>30.63%</i>

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Bosnia and Herzegovina					
<i>HPMP approved at ExCom 66 to reduce 35% of baseline by 2020</i>					
HCFC-141b	3.00	1.50	0.00	1.50	0.00%
HCFC-141bPolyol	0.00	3.47	0.00	3.47	0.00%
HCFC-22	3.20	3.20	0.00	3.20	0.00%
<i>Total for Bosnia and Herzegovina</i>	<i>6.20</i>	<i>8.17</i>	<i>0.00</i>	<i>8.17</i>	<i>0.00%</i>
Botswana					
<i>HPMP not yet approved</i>					
HCFC-141b		0.01	0.00	0.01	0.00%
HCFC-22	11.00	11.00	0.00	11.00	0.00%
<i>Total for Botswana</i>	<i>11.00</i>	<i>11.01</i>	<i>0.00</i>	<i>11.01</i>	<i>0.00%</i>
Brunei Darussalam					
<i>HPMP approved at ExCom 66 to reduce 35% of baseline by 2020</i>					
HCFC-22	6.10	6.10	0.00	6.10	0.00%
<i>Total for Brunei Darussalam</i>	<i>6.10</i>	<i>6.10</i>	<i>0.00</i>	<i>6.10</i>	<i>0.00%</i>
Burundi					
<i>HPMP approved at ExCom 65 to reduce 35% of baseline by 2020</i>					
HCFC-22	7.20	7.15	2.50	4.65	34.97%
<i>Total for Burundi</i>	<i>7.20</i>	<i>7.15</i>	<i>2.50</i>	<i>4.65</i>	<i>34.97%</i>
Cambodia					
<i>HPMP approved at ExCom 61 to reduce 100% of baseline by 2030</i>					
HCFC-22	15.00	14.97	14.97	0.00	100.00%
<i>Total for Cambodia</i>	<i>15.00</i>	<i>14.97</i>	<i>14.97</i>	<i>0.00</i>	<i>100.00%</i>
Cape Verde					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-22	1.10	0.25	0.09	0.16	36.00%
<i>Total for Cape Verde</i>	<i>1.10</i>	<i>0.25</i>	<i>0.09</i>	<i>0.16</i>	<i>36.00%</i>
Central African Republic					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-22	12.00	11.99	4.20	7.79	35.03%
<i>Total for Central African Republic</i>	<i>12.00</i>	<i>11.99</i>	<i>4.20</i>	<i>7.79</i>	<i>35.03%</i>
Chad					
<i>HPMP approved at ExCom 62 to reduce 35% of baseline by 2020</i>					
HCFC-22	16.10	16.10	9.50	6.60	59.01%
<i>Total for Chad</i>	<i>16.10</i>	<i>16.10</i>	<i>9.50</i>	<i>6.60</i>	<i>59.01%</i>
Comoros					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.10	0.14	0.05	0.09	35.71%
<i>Total for Comoros</i>	<i>0.10</i>	<i>0.14</i>	<i>0.05</i>	<i>0.09</i>	<i>35.71%</i>
Congo					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	8.90	8.85	3.55	5.30	40.11%
<i>Total for Congo</i>	<i>8.90</i>	<i>8.85</i>	<i>3.55</i>	<i>5.30</i>	<i>40.11%</i>
Cook Islands					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.10	0.04	0.02	0.02	50.00%
<i>Total for Cook Islands</i>	<i>0.10</i>	<i>0.04</i>	<i>0.02</i>	<i>0.02</i>	<i>50.00%</i>

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Costa Rica					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-123		0.01	0.01	0.00	100.00%
HCFC-124	0.10	0.09	0.09	0.00	100.00%
HCFC-141b	3.60	3.58	0.00	3.58	0.00%
HCFC-141bPolyol	0.00	18.11	14.00	4.11	77.31%
HCFC-142b	0.40	0.40	0.00	0.40	0.00%
HCFC-22	10.00	10.00	3.50	6.50	35.00%
<i>Total for Costa Rica</i>	<i>14.10</i>	<i>32.19</i>	<i>17.60</i>	<i>14.59</i>	<i>54.68%</i>
Croatia					
<i>HPMP approved at ExCom 61 to reduce 100% of baseline by 2030</i>					
HCFC-141b	(0.20)	3.10	1.76	1.34	56.77%
HCFC-142b	0.10	0.10	0.10	0.00	100.00%
HCFC-22	4.00	4.30	4.30	0.00	100.00%
<i>Total for Croatia</i>	<i>3.90</i>	<i>7.50</i>	<i>6.16</i>	<i>1.34</i>	<i>82.13%</i>
Cuba					
<i>HPMP approved at ExCom 65 to reduce 35% of baseline by 2020</i>					
HCFC-124		0.01	0.00	0.01	0.00%
HCFC-141b	2.60	2.60	2.60	0.00	100.00%
HCFC-141bPolyol	0.00	13.35	13.35	0.00	100.00%
HCFC-142b		0.02	0.00	0.02	0.00%
HCFC-22	14.30	14.25	3.31	10.94	23.23%
<i>Total for Cuba</i>	<i>16.90</i>	<i>30.23</i>	<i>19.26</i>	<i>10.97</i>	<i>63.71%</i>
Djibouti					
<i>HPMP approved at ExCom 66 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.70	0.70	0.00	0.70	0.00%
<i>Total for Djibouti</i>	<i>0.70</i>	<i>0.70</i>	<i>0.00</i>	<i>0.70</i>	<i>0.00%</i>
Dominica					
<i>HPMP approved at ExCom 62 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.40	0.40	0.08	0.32	20.00%
<i>Total for Dominica</i>	<i>0.40</i>	<i>0.40</i>	<i>0.08</i>	<i>0.32</i>	<i>20.00%</i>
Ecuador					
<i>HPMP approved at ExCom 65 to reduce 35% of baseline by 2020</i>					
HCFC-123	0.30	0.27	0.00	0.27	0.00%
HCFC-141b	0.70	0.62	0.62	0.00	100.00%
HCFC-141bPolyol	0.00	20.67	14.96	5.71	72.38%
HCFC-142b	0.20	0.09	0.00	0.09	0.00%
HCFC-22	16.50	16.51	5.50	11.01	33.31%
<i>Total for Ecuador</i>	<i>17.70</i>	<i>38.16</i>	<i>21.08</i>	<i>17.08</i>	<i>55.24%</i>
El Salvador					
<i>HPMP approved at ExCom 65 to reduce 35% of baseline by 2020</i>					
HCFC-123	0.10	0.05	0.05	0.00	100.00%
HCFC-124	0.10	0.11	0.11	0.00	100.00%
HCFC-141b	3.40	3.34	1.05	2.29	31.44%
HCFC-141bPolyol	0.00	4.94	4.94	0.00	100.00%
HCFC-142b		0.03	0.03	0.00	100.00%
HCFC-22	8.20	8.15	2.85	5.30	34.97%
<i>Total for El Salvador</i>	<i>11.80</i>	<i>16.62</i>	<i>9.03</i>	<i>7.59</i>	<i>54.33%</i>

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Equatorial Guinea					
<i>HPMP approved at ExCom 65 to reduce 35% of baseline by 2020</i>					
HCFC-22	10.20	6.29	2.20	4.09	34.98%
<i>Total for Equatorial Guinea</i>	<i>10.20</i>	<i>6.29</i>	<i>2.20</i>	<i>4.09</i>	<i>34.98%</i>
Eritrea					
<i>HPMP not yet approved</i>					
HCFC-22	0.10	0.10	0.00	0.10	0.00%
<i>Total for Eritrea</i>	<i>0.10</i>	<i>0.10</i>	<i>0.00</i>	<i>0.10</i>	<i>0.00%</i>
Ethiopia					
<i>HPMP not yet approved</i>					
HCFC-22	11.00	5.50	0.00	5.50	0.00%
<i>Total for Ethiopia</i>	<i>11.00</i>	<i>5.50</i>	<i>0.00</i>	<i>5.50</i>	<i>0.00%</i>
Fiji					
<i>HPMP approved at ExCom 65 to reduce 35% of baseline by 2020</i>					
HCFC-142b		0.04	0.04	0.00	100.00%
HCFC-22	8.40	8.37	2.90	5.47	34.65%
<i>Total for Fiji</i>	<i>8.40</i>	<i>8.41</i>	<i>2.94</i>	<i>5.47</i>	<i>34.96%</i>
Gambia					
<i>HPMP approved at ExCom 65 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.90	0.92	0.32	0.60	34.78%
<i>Total for Gambia</i>	<i>0.90</i>	<i>0.92</i>	<i>0.32</i>	<i>0.60</i>	<i>34.78%</i>
Georgia					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-142b	0.70	0.72	0.72	0.00	100.00%
HCFC-22	4.60	4.57	1.61	2.96	35.23%
<i>Total for Georgia</i>	<i>5.30</i>	<i>5.29</i>	<i>2.33</i>	<i>2.96</i>	<i>44.05%</i>
Grenada					
<i>HPMP approved at ExCom 62 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.80	0.83	0.30	0.53	36.14%
<i>Total for Grenada</i>	<i>0.80</i>	<i>0.83</i>	<i>0.30</i>	<i>0.53</i>	<i>36.14%</i>
Guatemala					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-124	0.10	0.11	0.00	0.11	0.00%
HCFC-141b	1.10	1.08	1.08	0.00	100.00%
HCFC-141bPolyol	0.00	1.40	1.40	0.00	100.00%
HCFC-142b	0.20	0.11	0.00	0.11	0.00%
HCFC-22	7.00	6.98	1.80	5.18	25.79%
<i>Total for Guatemala</i>	<i>8.40</i>	<i>9.68</i>	<i>4.28</i>	<i>5.40</i>	<i>44.21%</i>
Guinea-Bissau					
<i>HPMP approved at ExCom 65 to reduce 35% of baseline by 2020</i>					
HCFC-22	2.90	1.43	0.50	0.93	34.97%
<i>Total for Guinea-Bissau</i>	<i>2.90</i>	<i>1.43</i>	<i>0.50</i>	<i>0.93</i>	<i>34.97%</i>
Guyana					
<i>HPMP approved at ExCom 63 to reduce 10% of baseline by 2015</i>					
HCFC-22	1.80	1.64	0.10	1.54	6.10%
<i>Total for Guyana</i>	<i>1.80</i>	<i>1.64</i>	<i>0.10</i>	<i>1.54</i>	<i>6.10%</i>

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Haiti					
<i>HPMP not yet approved</i>					
HCFC-22	1.90	1.89	0.00	1.89	0.00%
<i>Total for Haiti</i>	<i>1.90</i>	<i>1.89</i>	<i>0.00</i>	<i>1.89</i>	<i>0.00%</i>
Honduras					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-141b	1.90	1.90	0.67	1.23	35.26%
HCFC-141bPolyol	0.00	0.80	0.00	0.80	0.00%
HCFC-22	18.00	18.01	6.30	11.71	34.98%
<i>Total for Honduras</i>	<i>19.90</i>	<i>20.71</i>	<i>6.97</i>	<i>13.74</i>	<i>33.66%</i>
Jamaica					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-141b	3.60	3.63	3.63	0.00	100.00%
HCFC-22	12.70	12.68	4.50	8.18	35.49%
<i>Total for Jamaica</i>	<i>16.30</i>	<i>16.31</i>	<i>8.13</i>	<i>8.18</i>	<i>49.85%</i>
Kiribati					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.10	0.05	0.03	0.02	60.00%
<i>Total for Kiribati</i>	<i>0.10</i>	<i>0.05</i>	<i>0.03</i>	<i>0.02</i>	<i>60.00%</i>
Kyrgyzstan					
<i>HPMP approved at ExCom 63 to reduce 10% of baseline by 2015</i>					
HCFC-141b	0.80	0.73	0.00	0.73	0.00%
HCFC-142b	0.20	0.17	0.00	0.17	0.00%
HCFC-22	3.20	3.16	0.44	2.72	13.92%
<i>Total for Kyrgyzstan</i>	<i>4.20</i>	<i>4.06</i>	<i>0.44</i>	<i>3.62</i>	<i>10.84%</i>
Lao, PDR					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-141bPolyol	0.00	3.24	0.00	3.24	0.00%
HCFC-22	2.30	1.84	0.62	1.22	33.70%
<i>Total for Lao, PDR</i>	<i>2.30</i>	<i>5.08</i>	<i>0.62</i>	<i>4.46</i>	<i>12.20%</i>
Lesotho					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-22	3.50	3.90	1.40	2.50	35.90%
<i>Total for Lesotho</i>	<i>3.50</i>	<i>3.90</i>	<i>1.40</i>	<i>2.50</i>	<i>35.90%</i>
Liberia					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	5.30	5.25	1.93	3.32	36.76%
<i>Total for Liberia</i>	<i>5.30</i>	<i>5.25</i>	<i>1.93</i>	<i>3.32</i>	<i>36.76%</i>
Macedonia, FYR					
<i>HPMP approved at ExCom 60 to reduce 35% of baseline by 2020</i>					
HCFC-141b	1.70	0.86	0.00	0.86	0.00%
HCFC-22	1.80	1.80	0.63	1.17	35.00%
<i>Total for Macedonia, FYR</i>	<i>3.50</i>	<i>2.66</i>	<i>0.63</i>	<i>2.03</i>	<i>23.68%</i>
Malawi					
<i>HPMP approved at ExCom 62 to reduce 35% of baseline by 2020</i>					
HCFC-22	10.80	10.80	3.11	7.69	28.80%
<i>Total for Malawi</i>	<i>10.80</i>	<i>10.80</i>	<i>3.11</i>	<i>7.69</i>	<i>28.80%</i>

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Maldives					
<i>HPMP approved at ExCom 60 to reduce 100% of baseline by 2030</i>					
HCFC-141b	0.70	0.00	0.00	0.00	
HCFC-22	3.90	3.70	3.70	0.00	100.00%
Total for Maldives	4.60	3.70	3.70	0.00	100.00%
Mali					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	15.00	14.97	5.20	9.77	34.74%
Total for Mali	15.00	14.97	5.20	9.77	34.74%
Marshall Islands					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.20	0.11	0.08	0.03	72.73%
Total for Marshall Islands	0.20	0.11	0.08	0.03	72.73%
Mauritius					
<i>HPMP approved at ExCom 63 to reduce 100% of baseline by 2030</i>					
HCFC-141b	0.10	0.14	0.14	0.00	100.00%
HCFC-22	7.90	7.88	7.88	0.00	100.00%
Total for Mauritius	8.00	8.02	8.02	0.00	100.00%
Micronesia					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.20	0.14	0.04	0.10	28.57%
Total for Micronesia	0.20	0.14	0.04	0.10	28.57%
Moldova, Rep					
<i>HPMP approved at ExCom 63 to reduce 10% of baseline by 2015</i>					
HCFC-22	1.00	0.94	0.23	0.71	24.47%
Total for Moldova, Rep	1.00	0.94	0.23	0.71	24.47%
Mongolia					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	1.40	1.30	1.00	0.30	76.92%
Total for Mongolia	1.40	1.30	1.00	0.30	76.92%
Montenegro					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.80	0.90	0.33	0.57	36.67%
Total for Montenegro	0.80	0.90	0.33	0.57	36.67%
Mozambique					
<i>HPMP approved at ExCom 66 to reduce 35% of baseline by 2020</i>					
HCFC-22	6.50	6.50	0.00	6.50	0.00%
Total for Mozambique	6.50	6.50	0.00	6.50	0.00%
Myanmar					
<i>HPMP not yet approved</i>					
HCFC-141b	0.10	0.04	0.00	0.04	0.00%
HCFC-22	4.30	4.26	0.00	4.26	0.00%
Total for Myanmar	4.40	4.30	0.00	4.30	0.00%
Namibia					
<i>HPMP approved at ExCom 63 to reduce 100% of baseline by 2030</i>					
HCFC-141b	0.30	0.26	0.26	0.00	100.00%
HCFC-22	8.10	8.10	8.10	0.00	100.00%
Total for Namibia	8.40	8.36	8.36	0.00	100.00%

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Nauru					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22		0.01	0.02	(0.01)	200.00%
<i>Total for Nauru</i>		<i>0.01</i>	<i>0.02</i>	<i>(0.01)</i>	<i>200.00%</i>
Nepal					
<i>HPMP approved at ExCom 66 to reduce 35% of baseline by 2020</i>					
HCFC-22	1.10	1.27	0.00	1.27	0.00%
<i>Total for Nepal</i>	<i>1.10</i>	<i>1.27</i>	<i>0.00</i>	<i>1.27</i>	<i>0.00%</i>
Nicaragua					
<i>HPMP approved at ExCom 66 to reduce 35% of baseline by 2020</i>					
HCFC-123		0.01	0.00	0.01	0.00%
HCFC-124	0.10	0.03	0.00	0.03	0.00%
HCFC-141b	0.60	0.60	0.00	0.60	0.00%
HCFC-141bPolyol	0.00	0.31	0.00	0.31	0.00%
HCFC-22	6.10	6.10	0.00	6.10	0.00%
<i>Total for Nicaragua</i>	<i>6.80</i>	<i>7.05</i>	<i>0.00</i>	<i>7.05</i>	<i>0.00%</i>
Niue					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22		0.02	0.01	0.01	35.00%
<i>Total for Niue</i>		<i>0.02</i>	<i>0.01</i>	<i>0.01</i>	<i>35.00%</i>
Palau					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.20	0.15	0.06	0.09	40.00%
<i>Total for Palau</i>	<i>0.20</i>	<i>0.15</i>	<i>0.06</i>	<i>0.09</i>	<i>40.00%</i>
Papua New Guinea					
<i>HPMP approved at ExCom 63 to reduce 100% of baseline by 2030</i>					
HCFC-142b		0.02	0.02	0.00	100.00%
HCFC-22	3.20	3.21	3.21	0.00	100.00%
<i>Total for Papua New Guinea</i>	<i>3.20</i>	<i>3.23</i>	<i>3.23</i>	<i>0.00</i>	<i>100.00%</i>
Paraguay					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-123	0.20	0.18	0.00	0.18	0.00%
HCFC-124	0.20	0.16	0.05	0.11	31.25%
HCFC-141b	0.10	0.06	0.45	(0.39)	750.00%
HCFC-141bPolyol	0.00	1.36	0.00	1.36	0.00%
HCFC-142b	1.30	1.33	0.46	0.87	34.59%
HCFC-22	16.30	16.28	5.32	10.96	32.68%
<i>Total for Paraguay</i>	<i>18.10</i>	<i>19.37</i>	<i>6.28</i>	<i>13.09</i>	<i>32.42%</i>
Rwanda					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-123	0.10	0.06	0.00	0.06	0.00%
HCFC-141b	0.20	0.16	0.00	0.16	0.00%
HCFC-142b	0.10	0.13	0.00	0.13	0.00%
HCFC-22	3.80	3.76	1.40	2.36	37.23%
<i>Total for Rwanda</i>	<i>4.20</i>	<i>4.11</i>	<i>1.40</i>	<i>2.71</i>	<i>34.06%</i>

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Saint Kitts and Nevis					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.50	0.49	0.18	0.31	36.73%
<i>Total for Saint Kitts and Nevis</i>	<i>0.50</i>	<i>0.49</i>	<i>0.18</i>	<i>0.31</i>	<i>36.73%</i>
Saint Lucia					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.20	0.92	0.32	0.60	34.78%
<i>Total for Saint Lucia</i>	<i>0.20</i>	<i>0.92</i>	<i>0.32</i>	<i>0.60</i>	<i>34.78%</i>
Saint Vincent and the Grenadine					
<i>HPMP approved at ExCom 64 to reduce 100% of baseline by 2025</i>					
HCFC-22	0.30	0.28	0.28	0.00	100.00%
<i>Total for Saint Vincent and the Gre</i>	<i>0.30</i>	<i>0.28</i>	<i>0.28</i>	<i>0.00</i>	<i>100.00%</i>
Samoa					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.30	0.25	0.07	0.18	28.00%
<i>Total for Samoa</i>	<i>0.30</i>	<i>0.25</i>	<i>0.07</i>	<i>0.18</i>	<i>28.00%</i>
Sao Tome and Principe					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	2.20	0.15	0.05	0.10	33.33%
<i>Total for Sao Tome and Principe</i>	<i>2.20</i>	<i>0.15</i>	<i>0.05</i>	<i>0.10</i>	<i>33.33%</i>
Serbia					
<i>HPMP approved at ExCom 62 to reduce 35% of baseline by 2020</i>					
HCFC-142b	0.60	0.59	0.00	0.59	0.00%
HCFC-22	7.80	7.76	3.30	4.46	42.53%
<i>Total for Serbia</i>	<i>8.40</i>	<i>8.35</i>	<i>3.30</i>	<i>5.05</i>	<i>39.52%</i>
Seychelles					
<i>HPMP approved at ExCom 63 to reduce 100% of baseline by 2030</i>					
HCFC-141b	0.00	0.05	0.05	0.00	100.00%
HCFC-22	1.40	1.33	1.33	0.00	100.00%
<i>Total for Seychelles</i>	<i>1.40</i>	<i>1.38</i>	<i>1.38</i>	<i>0.00</i>	<i>100.00%</i>
Sierra Leone					
<i>HPMP approved at ExCom 65 to reduce 35% of baseline by 2020</i>					
HCFC-22	1.70	1.67	0.58	1.09	34.73%
<i>Total for Sierra Leone</i>	<i>1.70</i>	<i>1.67</i>	<i>0.58</i>	<i>1.09</i>	<i>34.73%</i>
Solomon Islands					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	2.00	1.91	0.67	1.24	35.08%
<i>Total for Solomon Islands</i>	<i>2.00</i>	<i>1.91</i>	<i>0.67</i>	<i>1.24</i>	<i>35.08%</i>
South Sudan					
<i>HPMP not yet approved</i>					
HCFC-22		0.00	0.00	0.00	
<i>Total for South Sudan</i>		<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	
Sri Lanka					
<i>HPMP approved at ExCom 62 to reduce 35% of baseline by 2020</i>					
HCFC-141b	1.90	2.22	2.22	0.00	100.00%
HCFC-22	12.00	11.87	2.71	9.16	22.83%
<i>Total for Sri Lanka</i>	<i>13.90</i>	<i>14.09</i>	<i>4.93</i>	<i>9.16</i>	<i>34.99%</i>

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Suriname					
<i>HPMP approved at ExCom 65 to reduce 35% of baseline by 2020</i>					
HCFC-142b	0.10	0.04	0.04	0.00	100.00%
HCFC-22	2.00	1.94	0.65	1.29	33.51%
<i>Total for Suriname</i>	<i>2.10</i>	<i>1.98</i>	<i>0.69</i>	<i>1.29</i>	<i>34.85%</i>
Swaziland					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-141b	5.60	5.38	5.38	0.00	100.00%
HCFC-22	1.80	1.70	0.61	1.09	35.88%
<i>Total for Swaziland</i>	<i>7.40</i>	<i>7.08</i>	<i>5.99</i>	<i>1.09</i>	<i>84.60%</i>
Tanzania					
<i>HPMP not yet approved</i>					
HCFC-22	1.70	1.69	0.00	1.69	0.00%
<i>Total for Tanzania</i>	<i>1.70</i>	<i>1.69</i>	<i>0.00</i>	<i>1.69</i>	<i>0.00%</i>
Timor Leste					
<i>HPMP approved at ExCom 63 to reduce 10% of baseline by 2015</i>					
HCFC-22	0.50	0.50	0.05	0.45	10.00%
<i>Total for Timor Leste</i>	<i>0.50</i>	<i>0.50</i>	<i>0.05</i>	<i>0.45</i>	<i>10.00%</i>
Tonga					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.10	0.07	0.03	0.04	37.14%
<i>Total for Tonga</i>	<i>0.10</i>	<i>0.07</i>	<i>0.03</i>	<i>0.04</i>	<i>37.14%</i>
Turkmenistan					
<i>HPMP approved at ExCom 62 to reduce 35% of baseline by 2020</i>					
HCFC-22	6.80	6.81	2.55	4.26	37.44%
<i>Total for Turkmenistan</i>	<i>6.80</i>	<i>6.81</i>	<i>2.55</i>	<i>4.26</i>	<i>37.44%</i>
Tuvalu					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	0.10	0.09	0.03	0.06	33.33%
<i>Total for Tuvalu</i>	<i>0.10</i>	<i>0.09</i>	<i>0.03</i>	<i>0.06</i>	<i>33.33%</i>
Uganda					
<i>HPMP not yet approved</i>					
HCFC-22	0.20	0.00	0.00	0.00	
<i>Total for Uganda</i>	<i>0.20</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	
Vanuatu					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-142b	0.00	0.01	0.00	0.01	0.00%
HCFC-22	0.30	0.26	0.10	0.16	38.46%
<i>Total for Vanuatu</i>	<i>0.30</i>	<i>0.27</i>	<i>0.10</i>	<i>0.17</i>	<i>37.04%</i>
Yemen					
<i>HPMP not yet approved</i>					
HCFC-22		0.00	0.00	0.00	
<i>Total for Yemen</i>		<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	
Zambia					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-22	5.00	4.95	1.70	3.25	34.34%
<i>Total for Zambia</i>	<i>5.00</i>	<i>4.95</i>	<i>1.70</i>	<i>3.25</i>	<i>34.34%</i>

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Zimbabwe					
<i>HPMP approved at ExCom 65 to reduce 35% of baseline by 2020</i>					
HCFC-141b	1.00	0.55	0.55	0.00	100.00%
HCFC-141bPolyol	0.00	6.11	6.11	0.00	100.00%
HCFC-22	16.90	14.89	4.85	10.04	32.57%
<i>Total for Zimbabwe</i>	<i>17.90</i>	<i>21.55</i>	<i>11.51</i>	<i>10.04</i>	<i>53.41%</i>
<i>Total for LVC countries</i>	<i>471.50</i>	<i>527.18</i>	<i>227.31</i>	<i>299.87</i>	<i>53.41%</i>

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
NON-LOW VOLUME CONSUMING COUNTRIES					
Afghanistan					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	23.60	23.55	8.20	15.35	34.82%
<i>Total for Afghanistan</i>	<i>23.60</i>	<i>23.55</i>	<i>8.20</i>	<i>15.35</i>	<i>34.82%</i>
Algeria					
<i>HPMP approved at ExCom 66 to reduce 20% of baseline by 2017</i>					
HCFC-141b	5.70	5.70	2.40	3.30	42.11%
HCFC-141bPolyol	0.00	5.36	2.40	2.96	44.78%
HCFC-22	24.50	24.50	0.00	24.50	0.00%
<i>Total for Algeria</i>	<i>30.20</i>	<i>35.56</i>	<i>4.80</i>	<i>30.76</i>	<i>13.50%</i>
Argentina					
<i>HPMP approved at ExCom 66 to reduce 18% of baseline by 2017</i>					
HCFC-123	1.50	1.57	0.00	1.57	0.00%
HCFC-124	1.10	0.83	0.00	0.83	0.00%
HCFC-141b	113.40	94.57	0.00	94.57	0.00%
HCFC-142b	17.40	14.34	0.00	14.34	0.00%
HCFC-22	267.30	266.20	53.46	212.74	20.08%
<i>Total for Argentina</i>	<i>400.70</i>	<i>377.51</i>	<i>53.46</i>	<i>324.05</i>	<i>14.16%</i>
Bahrain					
<i>HPMP not yet approved</i>					
HCFC-141b	0.50	0.44	0.00	0.44	0.00%
HCFC-141bPolyol	0.00	2.06	0.00	2.06	0.00%
HCFC-22	51.50	51.47	0.00	51.47	0.00%
<i>Total for Bahrain</i>	<i>52.00</i>	<i>53.97</i>	<i>0.00</i>	<i>53.97</i>	<i>0.00%</i>
Bangladesh					
<i>HPMP approved at ExCom 65 to reduce 30% of baseline by 2018</i>					
HCFC-123	0.30	0.21	0.21	0.00	100.00%
HCFC-124	0.10	0.07	0.07	0.00	100.00%
HCFC-141b	21.30	21.23	20.20	1.03	95.15%
HCFC-142b	11.40	5.72	0.57	5.15	9.97%
HCFC-22	45.50	45.42	3.48	41.94	7.66%
<i>Total for Bangladesh</i>	<i>78.60</i>	<i>72.65</i>	<i>24.53</i>	<i>48.12</i>	<i>33.76%</i>
Benin					
<i>HPMP approved at ExCom 63 to reduce 35% of baseline by 2020</i>					
HCFC-22	23.80	23.81	8.25	15.56	34.65%
<i>Total for Benin</i>	<i>23.80</i>	<i>23.81</i>	<i>8.25</i>	<i>15.56</i>	<i>34.65%</i>
Brazil					
<i>HPMP approved at ExCom 64 to reduce 10% of baseline by 2015</i>					
HCFC-123	0.30	0.30	0.00	0.30	0.00%
HCFC-124	7.80	7.73	0.00	7.73	0.00%
HCFC-141b	521.60	521.54	168.80	352.74	32.37%
HCFC-142b	5.60	5.61	0.00	5.61	0.00%
HCFC-22	792.10	792.05	51.50	740.55	6.50%
<i>Total for Brazil</i>	<i>1,327.40</i>	<i>1,327.23</i>	<i>220.30</i>	<i>1,106.93</i>	<i>16.60%</i>

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Burkina Faso					
<i>HPMP approved at ExCom 62 to reduce 35% of baseline by 2020</i>					
HCFC-22	28.90	28.88	9.70	19.18	33.59%
<i>Total for Burkina Faso</i>	<i>28.90</i>	<i>28.88</i>	<i>9.70</i>	<i>19.18</i>	<i>33.59%</i>
Cameroon					
<i>HPMP approved at ExCom 64 to reduce 20% of baseline by 2015</i>					
HCFC-141b	22.10	15.70	15.70	0.00	100.00%
HCFC-22	66.80	66.76	9.70	57.06	14.53%
<i>Total for Cameroon</i>	<i>88.90</i>	<i>82.46</i>	<i>25.40</i>	<i>57.06</i>	<i>30.80%</i>
Chile					
<i>HPMP approved at ExCom 63 to reduce 10% of baseline by 2015</i>					
HCFC-123		0.03	0.00	0.03	0.00%
HCFC-124		0.01	0.00	0.01	0.00%
HCFC-141b	39.30	39.29	3.02	36.27	7.69%
HCFC-142b	0.70	0.63	0.00	0.63	0.00%
HCFC-22	47.30	47.26	18.98	28.28	40.16%
HCFC-225	0.60	0.29	0.00	0.29	0.00%
<i>Total for Chile</i>	<i>87.90</i>	<i>87.51</i>	<i>22.00</i>	<i>65.51</i>	<i>25.14%</i>
China					
<i>HPMP approved at ExCom 64 to reduce 10% of baseline by 2015</i>					
HCFC-123	10.60	6.60	0.00	6.60	0.00%
HCFC-124	3.00	6.60	0.00	6.60	0.00%
HCFC-141b	5,941.30	5,923.00	1,698.05	4,224.95	28.67%
HCFC-142b	1,473.60	1,508.90	266.95	1,241.95	17.69%
HCFC-22	11,839.40	11,962.30	1,480.60	10,481.70	12.38%
HCFC-225ca	1.30	1.00	0.00	1.00	0.00%
<i>Total for China</i>	<i>19,269.20</i>	<i>19,408.40</i>	<i>3,445.60</i>	<i>15,962.80</i>	<i>17.75%</i>
Colombia					
<i>HPMP approved at ExCom 62 to reduce 10% of baseline by 2015</i>					
HCFC-123	2.20	2.20	0.00	2.20	0.00%
HCFC-124	0.10	0.04	0.00	0.04	0.00%
HCFC-141b	151.80	151.70	53.92	97.78	35.54%
HCFC-142b	0.50	0.50	0.00	0.50	0.00%
HCFC-22	71.10	71.10	24.99	46.11	35.15%
<i>Total for Colombia</i>	<i>225.70</i>	<i>225.54</i>	<i>78.91</i>	<i>146.63</i>	<i>34.99%</i>
Congo, DR					
<i>HPMP approved at ExCom 63 to reduce 10% of baseline by 2015</i>					
HCFC-22	47.80	58.00	5.80	52.20	10.00%
<i>Total for Congo, DR</i>	<i>47.80</i>	<i>58.00</i>	<i>5.80</i>	<i>52.20</i>	<i>10.00%</i>
Cote d'Ivoire					
<i>HPMP approved at ExCom 66 to reduce 35% of baseline by 2020</i>					
HCFC-22	63.80	63.80	0.00	63.80	0.00%
<i>Total for Cote d'Ivoire</i>	<i>63.80</i>	<i>63.80</i>	<i>0.00</i>	<i>63.80</i>	<i>0.00%</i>

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Dominican Republic					
<i>HPMP approved at ExCom 65 to reduce 10% of baseline by 2015</i>					
HCFC-123	0.20	0.19	0.00	0.19	0.00%
HCFC-141b	1.20	0.60	0.60	0.00	100.00%
HCFC-141bPolyol	0.00	19.51	19.51	0.00	100.00%
HCFC-22	50.40	50.41	7.03	43.38	13.95%
<i>Total for Dominican Republic</i>	<i>51.80</i>	<i>70.71</i>	<i>27.14</i>	<i>43.57</i>	<i>38.38%</i>
Egypt					
<i>HPMP approved at ExCom 65 to reduce 25% of baseline by 2018</i>					
HCFC-123	0.10	0.11	0.00	0.11	0.00%
HCFC-124	0.00	0.00	0.00	0.00	
HCFC-141b	129.60	129.61	95.69	33.92	73.83%
HCFC-141bPolyol	0.00	98.34	72.18	26.16	73.40%
HCFC-142b	16.40	16.36	0.00	16.36	0.00%
HCFC-22	240.20	240.19	6.13	234.06	2.55%
<i>Total for Egypt</i>	<i>386.30</i>	<i>484.61</i>	<i>174.00</i>	<i>310.61</i>	<i>35.91%</i>
Gabon					
<i>HPMP approved at ExCom 62 to reduce 35% of baseline by 2020</i>					
HCFC-22	30.20	29.74	10.40	19.34	34.97%
<i>Total for Gabon</i>	<i>30.20</i>	<i>29.74</i>	<i>10.40</i>	<i>19.34</i>	<i>34.97%</i>
Ghana					
<i>HPMP approved at ExCom 61 to reduce 35% of baseline by 2020</i>					
HCFC-142b	14.60	14.70	5.15	9.56	35.00%
HCFC-22	42.60	42.60	14.91	27.69	35.00%
<i>Total for Ghana</i>	<i>57.20</i>	<i>57.30</i>	<i>20.06</i>	<i>37.25</i>	<i>35.00%</i>
Guinea					
<i>HPMP approved at ExCom 66 to reduce 35% of baseline by 2020</i>					
HCFC-22	22.60	22.60	0.00	22.60	0.00%
<i>Total for Guinea</i>	<i>22.60</i>	<i>22.60</i>	<i>0.00</i>	<i>22.60</i>	<i>0.00%</i>
India					
<i>HPMP approved at ExCom 66 to reduce 10% of baseline by 2015</i>					
HCFC-123	3.60	3.50	0.00	3.50	0.00%
HCFC-124	13.50	13.50	0.00	13.50	0.00%
HCFC-141b	865.50	865.50	0.00	865.50	0.00%
HCFC-141bPolyol	0.00	83.05	0.00	83.05	0.00%
HCFC-142b	123.70	123.70	0.00	123.70	0.00%
HCFC-22	602.00	602.00	0.00	602.00	0.00%
<i>Total for India</i>	<i>1,608.30</i>	<i>1,691.25</i>	<i>0.00</i>	<i>1,691.25</i>	<i>0.00%</i>
Indonesia					
<i>HPMP approved at ExCom 64 to reduce 20% of baseline by 2015</i>					
HCFC-123	3.90	3.85	0.00	3.85	0.00%
HCFC-141b	132.70	132.65	89.90	42.75	67.77%
HCFC-22	267.40	267.40	45.10	222.30	16.87%
HCFC-225		0.03	0.00	0.03	0.00%
<i>Total for Indonesia</i>	<i>404.00</i>	<i>403.93</i>	<i>135.00</i>	<i>268.93</i>	<i>33.42%</i>

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Iran					
<i>HPMP approved at ExCom 63 to reduce 10% of baseline by 2015</i>					
HCFC-141b	216.90	216.83	62.70	154.13	28.92%
HCFC-22	163.60	163.60	38.60	125.00	23.59%
Total for Iran	380.50	380.43	101.30	279.13	26.63%
Iraq					
<i>HPMP approved at ExCom 65 to reduce 14% of baseline by 2015</i>					
HCFC-22	108.30	108.38	14.98	93.40	13.82%
Total for Iraq	108.30	108.38	14.98	93.40	13.82%
Jordan					
<i>HPMP approved at ExCom 65 to reduce 20% of baseline by 2017</i>					
HCFC-141b	28.80	28.29	1.18	27.11	4.17%
HCFC-141bPolyol	0.00	11.31	0.00	11.31	0.00%
HCFC-22	54.20	54.19	24.32	29.87	44.88%
Total for Jordan	83.00	93.79	25.50	68.29	27.19%
Kenya					
<i>HPMP approved at ExCom 66 to reduce 21% of baseline by 2017</i>					
HCFC-22	52.20	52.20	0.00	52.20	0.00%
Total for Kenya	52.20	52.20	0.00	52.20	0.00%
Korea, DPR					
<i>HPMP not yet approved</i>					
HCFC-141b	16.00	24.50	0.00	24.50	0.00%
HCFC-22	62.00	61.95	0.00	61.95	0.00%
Total for Korea, DPR	78.00	86.45	0.00	86.45	0.00%
Kuwait					
<i>HPMP approved at ExCom 66 to reduce 39% of baseline by 2018</i>					
HCFC-123	0.30	0.30	0.00	0.30	0.00%
HCFC-141b	75.20	75.20	0.00	75.20	0.00%
HCFC-141bPolyol	0.00	10.64	0.00	10.64	0.00%
HCFC-142b	82.70	82.70	0.00	82.70	0.00%
HCFC-22	260.50	260.50	0.00	260.50	0.00%
Total for Kuwait	418.70	429.34	0.00	429.34	0.00%
Lebanon					
<i>HPMP approved at ExCom 64 to reduce 18% of baseline by 2015</i>					
HCFC-123	0.10	0.05	0.00	0.05	0.00%
HCFC-141b	37.50	37.53	15.10	22.43	40.23%
HCFC-22	36.00	35.95	4.90	31.05	13.63%
Total for Lebanon	73.60	73.53	20.00	53.53	27.20%
Libya					
<i>HPMP not yet approved</i>					
HCFC-141b	27.50	13.76	0.00	13.76	0.00%
HCFC-22	70.00	34.98	0.00	34.98	0.00%
Total for Libya	97.50	48.74	0.00	48.74	0.00%
Madagascar					
<i>HPMP approved at ExCom 62 to reduce 35% of baseline by 2020</i>					
HCFC-22	24.90	22.16	6.00	16.16	27.08%
Total for Madagascar	24.90	22.16	6.00	16.16	27.08%

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Malaysia					
<i>HPMP approved at ExCom 65 to reduce 15% of baseline by 2016</i>					
HCFC-123	1.20	1.13	0.00	1.13	0.00%
HCFC-141	1.90	0.94	0.00	0.94	0.00%
HCFC-141b	162.60	162.54	94.60	67.94	58.20%
HCFC-142b	0.80	0.79	0.00	0.79	0.00%
HCFC-21	1.50	0.74	0.00	0.74	0.00%
HCFC-22	349.60	349.54	8.42	341.12	2.41%
HCFC-225	0.10	0.08	0.00	0.08	0.00%
Total for Malaysia	517.70	515.76	103.02	412.74	19.97%
Mauritania					
<i>HPMP not yet approved</i>					
HCFC-22	20.50	10.18	0.00	10.18	0.00%
Total for Mauritania	20.50	10.18	0.00	10.18	0.00%
Mexico					
<i>HPMP approved at ExCom 64 to reduce 30% of baseline by 2015</i>					
HCFC-123	1.50	0.30	0.00	0.30	0.00%
HCFC-124	0.20	0.10	0.00	0.10	0.00%
HCFC-141b	673.70	820.60	392.50	428.10	47.83%
HCFC-142b	5.80	1.00	0.00	1.00	0.00%
HCFC-22	467.80	392.80	24.80	368.00	6.31%
Total for Mexico	1,149.00	1,214.80	417.30	797.50	34.35%
Morocco					
<i>HPMP approved at ExCom 65 to reduce 20% of baseline by 2017</i>					
HCFC-141b	20.90	22.10	14.20	7.90	64.25%
HCFC-22	38.80	45.90	2.57	43.33	5.60%
Total for Morocco	59.70	68.00	16.77	51.23	24.66%
Niger					
<i>HPMP approved at ExCom 66 to reduce 35% of baseline by 2020</i>					
HCFC-22	26.20	16.00	0.00	16.00	0.00%
Total for Niger	26.20	16.00	0.00	16.00	0.00%
Nigeria					
<i>HPMP approved at ExCom 62 to reduce 10% of baseline by 2015</i>					
HCFC-141b	149.70	149.60	79.50	70.10	53.14%
HCFC-22	248.60	248.50	10.60	237.90	4.27%
Total for Nigeria	398.30	398.10	90.10	308.00	22.63%
Oman					
<i>HPMP approved at ExCom 65 to reduce 10% of baseline by 2015</i>					
HCFC-141b	1.10	1.12	1.11	0.01	99.11%
HCFC-141bPolyol	0.00	1.11	1.10	0.01	99.10%
HCFC-142b	0.80	0.78	0.79	(0.01)	101.28%
HCFC-22	29.60	29.57	3.79	25.78	12.82%
Total for Oman	31.50	32.58	6.79	25.79	20.84%
Pakistan					
<i>HPMP approved at ExCom 62 to reduce 10% of baseline by 2015</i>					
HCFC-141b	138.50	138.50	71.70	66.80	51.77%
HCFC-22	108.90	108.89	7.43	101.46	6.82%
Total for Pakistan	247.40	247.39	79.13	168.26	31.99%

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Panama					
<i>HPMP approved at ExCom 65 to reduce 10% of baseline by 2015</i>					
HCFC-123	0.10	0.05	0.00	0.05	0.00%
HCFC-124		0.01	0.00	0.01	0.00%
HCFC-141b	2.30	2.30	2.30	0.00	100.00%
HCFC-141bPolyol	0.00	2.50	0.00	2.50	0.00%
HCFC-142b	0.20	0.18	0.00	0.18	0.00%
HCFC-22	22.30	22.24	2.48	19.76	11.15%
<i>Total for Panama</i>	<i>24.90</i>	<i>27.28</i>	<i>4.78</i>	<i>22.50</i>	<i>17.52%</i>
Peru					
<i>HPMP not yet approved</i>					
HCFC-124	0.10	0.04	0.00	0.04	0.00%
HCFC-141b	1.80	0.55	0.00	0.55	0.00%
HCFC-142b	1.20	0.80	0.00	0.80	0.00%
HCFC-22	23.90	12.23	0.00	12.23	0.00%
<i>Total for Peru</i>	<i>27.00</i>	<i>13.62</i>	<i>0.00</i>	<i>13.62</i>	<i>0.00%</i>
Philippines					
<i>HPMP not yet approved</i>					
HCFC-123	2.20	2.14	0.00	2.14	0.00%
HCFC-141b	63.40	63.31	40.00	23.31	63.18%
HCFC-22	142.90	142.86	0.00	142.86	0.00%
<i>Total for Philippines</i>	<i>208.50</i>	<i>208.31</i>	<i>40.00</i>	<i>168.31</i>	<i>19.20%</i>
Qatar					
<i>HPMP approved at ExCom 65 to reduce 20% of baseline by 2015</i>					
HCFC-141b	0.60	0.57	0.00	0.57	0.00%
HCFC-142b	12.70	12.05	12.05	0.00	100.00%
HCFC-22	73.50	73.45	45.81	27.64	62.37%
<i>Total for Qatar</i>	<i>86.80</i>	<i>86.07</i>	<i>57.86</i>	<i>28.21</i>	<i>67.22%</i>
Saudi Arabia					
<i>HPMP not yet approved</i>					
HCFC-123	0.20	0.19	0.00	0.19	0.00%
HCFC-141b	341.00	341.00	0.00	341.00	0.00%
HCFC-142b	115.90	115.86	114.70	1.16	99.00%
HCFC-22	1,011.70	1,011.64	64.70	946.94	6.40%
<i>Total for Saudi Arabia</i>	<i>1,468.80</i>	<i>1,468.69</i>	<i>179.40</i>	<i>1,289.29</i>	<i>12.21%</i>
Senegal					
<i>HPMP approved at ExCom 65 to reduce 35% of baseline by 2020</i>					
HCFC-22	36.20	36.15	12.65	23.50	34.99%
<i>Total for Senegal</i>	<i>36.20</i>	<i>36.15</i>	<i>12.65</i>	<i>23.50</i>	<i>34.99%</i>
Somalia					
<i>HPMP not yet approved</i>					
HCFC-141b	23.20	23.17	0.00	23.17	0.00%
HCFC-22	21.90	21.90	0.00	21.90	0.00%
<i>Total for Somalia</i>	<i>45.10</i>	<i>45.07</i>	<i>0.00</i>	<i>45.07</i>	<i>0.00%</i>

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
South Africa					
<i>HPMP not yet approved</i>					
HCFC-123	0.50	0.26	0.00	0.26	0.00%
HCFC-141b	160.10	160.05	0.00	160.05	0.00%
HCFC-22	210.90	210.86	0.00	210.86	0.00%
Total for South Africa	371.50	371.17	0.00	371.17	0.00%
Sudan					
<i>HPMP approved at ExCom 66 to reduce 30% of baseline by 2017</i>					
HCFC-141b	40.70	39.10	11.90	27.20	30.43%
HCFC-22	12.10	11.60	0.00	11.60	0.00%
Total for Sudan	52.80	50.70	11.90	38.80	23.47%
Syria					
<i>HPMP not yet approved</i>					
HCFC-141b	67.80	67.71	7.90	59.81	11.67%
HCFC-142b	6.90	6.82	0.00	6.82	0.00%
HCFC-22	60.50	60.50	5.00	55.50	8.26%
Total for Syria	135.20	135.03	12.90	122.13	9.55%
Thailand					
<i>HPMP not yet approved</i>					
HCFC-123	3.20	3.19	0.00	3.19	0.00%
HCFC-124	0.10	0.08	0.00	0.08	0.00%
HCFC-141b	205.30	205.25	0.00	205.25	0.00%
HCFC-142b	0.20	0.12	0.00	0.12	0.00%
HCFC-22	716.60	716.57	0.00	716.57	0.00%
HCFC-225	2.40	1.20	0.00	1.20	0.00%
HCFC-225ca	0.50	0.42	0.00	0.42	0.00%
HCFC-225cb	0.70	0.68	0.00	0.68	0.00%
Total for Thailand	929.00	927.51	0.00	927.51	0.00%
Togo					
<i>HPMP approved at ExCom 62 to reduce 35% of baseline by 2020</i>					
HCFC-22	20.00	20.57	7.00	13.57	34.03%
Total for Togo	20.00	20.57	7.00	13.57	34.03%
Trinidad and Tobago					
<i>HPMP approved at ExCom 64 to reduce 35% of baseline by 2020</i>					
HCFC-123	0.30	0.13	0.13	0.00	100.00%
HCFC-124	0.50	0.52	0.52	0.00	100.00%
HCFC-141b	2.30	2.26	2.26	0.00	100.00%
HCFC-22	43.10	43.06	14.75	28.31	34.25%
Total for Trinidad and Tobago	46.20	45.97	17.66	28.31	38.42%
Tunisia					
<i>HPMP not yet approved</i>					
HCFC-141b	1.60	1.60	0.00	1.60	0.00%
HCFC-142b	0.10	0.04	0.00	0.04	0.00%
HCFC-22	39.10	39.01	0.00	39.01	0.00%
Total for Tunisia	40.80	40.65	0.00	40.65	0.00%

HCFC	Baseline	Starting Point	Approved	Remaining	%Approved
Turkey					
<i>HPMP not yet approved</i>					
HCFC-123	0.00	0.02	0.00	0.02	0.00%
HCFC-141b	197.10	197.13	99.03	98.10	50.24%
HCFC-141bPolyol	0.00	30.80	0.00	30.80	0.00%
HCFC-142b	116.40	116.44	116.44	0.00	100.00%
HCFC-22	294.40	296.34	78.23	218.11	26.40%
Total for Turkey	607.90	640.73	293.70	347.03	45.84%
Uruguay					
<i>HPMP approved at ExCom 65 to reduce 10% of baseline by 2015</i>					
HCFC-123	0.00	0.04	0.04	0.00	100.00%
HCFC-124	0.10	0.09	0.09	0.00	100.00%
HCFC-141b	1.50	1.49	1.08	0.41	72.48%
HCFC-141bPolyol	0.00	5.33	0.00	5.33	0.00%
HCFC-142b	0.70	0.63	0.63	0.00	100.00%
HCFC-22	21.10	21.08	2.34	18.74	11.10%
Total for Uruguay	23.40	28.66	4.18	24.48	14.58%
Venezuela					
<i>HPMP approved at ExCom 63 to reduce 10% of baseline by 2015</i>					
HCFC-123	0.10	0.07	0.00	0.07	0.00%
HCFC-141b	39.60	39.56	0.00	39.56	0.00%
HCFC-141bPolyol	0.00	1.91	0.00	1.91	0.00%
HCFC-142b	5.70	5.68	0.00	5.68	0.00%
HCFC-22	161.60	161.63	23.16	138.47	14.33%
Total for Venezuela	207.00	208.85	23.16	185.69	11.09%
Vietnam					
<i>HPMP approved at ExCom 63 to reduce 10% of baseline by 2015</i>					
HCFC-123	0.20	0.16	0.00	0.16	0.00%
HCFC-141b	53.90	53.90	50.80	3.10	94.25%
HCFC-141bPolyol	0.00	164.60	89.30	75.30	54.25%
HCFC-22	167.20	167.15	0.00	167.15	0.00%
Total for Vietnam	221.30	385.81	140.10	245.71	36.31%
Total for non-LVC countries	32,628.30	33,167.68	5,959.73	27,207.96	36.31%
Grand total	33,099.80	33,694.86	6,187.04	27,507.82	18.36%

Annex II
Total remaining funding approved in principle for stage I of HPMPs

Country	Agency	2012	2013	2014	2015	Total (2012-2015)	Total (>2015)
Afghanistan	UNEP			133,340		133,340	181,732
Afghanistan	Germany			94,920		94,920	125,742
Albania	UNIDO		100,280		43,600	143,880	57,770
Albania	UNEP		22,600		25,990	48,590	19,210
Algeria	UNIDO			154,800		154,800	43,098
Angola	UNDP	42,631	33,911		21,316	97,858	-
Antigua and Barbuda	UNEP				6,610	6,610	-
Argentina	UNIDO			338,208		338,208	134,375
Armenia	UNDP			33,879		33,879	-
Armenia	UNEP			8,458		8,458	-
Bahamas	UNEP		55,992			55,992	100,739
Bahamas	UNIDO		11,406			11,406	39,052
Bangladesh	UNEP		101,700		20,340	122,040	19,210
Belize	UNEP					-	150,855
Belize	UNDP					-	7,085
Benin	UNEP		96,050			96,050	226,000
Benin	UNIDO		43,000			43,000	129,000
Bhutan	UNEP		79,100			79,100	126,560
Bhutan	UNDP		45,780			45,780	82,840
Bolivia	Germany		106,785		72,885	179,670	69,495
Bosnia and Herzegovina	UNIDO			154,058		154,058	192,094
Brazil	UNDP	3,655,000	3,225,000	3,225,000	1,773,750	11,878,750	-
Brazil	Germany	2,734,727			454,091	3,188,818	-
Brunei Darussalam	UNEP				31,075	31,075	36,725
Brunei Darussalam	UNDP				43,164	43,164	43,164
Burkina Faso	UNEP		135,600			135,600	345,970
Burkina Faso	UNIDO					-	108,891
Burundi	UNEP		33,900			33,900	109,610
Burundi	UNIDO					-	87,200
Cambodia	UNEP		113,000			113,000	791,000
Cambodia	UNDP		215,000			215,000	268,750
Cameroon	UNIDO		193,500		63,571	257,071	63,571
Cape Verde	UNEP		39,550			39,550	91,530
Central African Republic	UNEP		62,150			62,150	203,400
Central African Republic	UNIDO					-	134,375
Chad	UNEP		79,100			79,100	226,000
Chad	UNIDO					-	134,375
Chile	UNDP	577,659	317,925	120,980	93,266	1,109,830	-
Chile	UNEP	45,344	30,535	30,535	46,444	152,858	-
China	UNDP	6,900,000	8,495,000	11,075,000	9,150,000	35,620,000	-
China	Germany	3,707,977	600,000	600,000	633,000	5,540,977	-
China	UNIDO	6,900,000	3,398,000	5,730,000	6,600,000	22,628,000	-
China	IBRD	5,520,000	13,592,000	4,079,000	10,950,000	34,141,000	-
China	UNIDO	9,200,000	8,495,000	9,625,000	11,250,000	38,570,000	-
China	UNEP	598,000	1,104,000	1,173,000	786,000	3,661,000	-

Country	Agency	2012	2013	2014	2015	Total (2012-2015)	Total (>2015)
China	Japan	80,000	80,000	80,000	80,000	320,000	-
China	UNDP		2,000,000		500,000	2,500,000	-
Colombia	UNDP			161,250		161,250	-
Comoros	UNEP		39,550			39,550	91,530
Congo	UNEP		33,900			33,900	113,000
Congo	UNIDO					-	81,750
Congo (Democratic Republic of)	UNEP		131,645		26,555	158,200	-
Congo (Democratic Republic of)	UNDP		126,440		26,160	152,600	-
Cook Islands	UNEP				45,031	45,031	11,187
Costa Rica	UNDP		180,600		66,650	247,250	174,150
Cote D'Ivoire	UNEP			212,998		212,998	522,113
Cote D'Ivoire	UNIDO					-	494,500
Croatia	UNIDO		64,500			64,500	-
Cuba	UNDP		752,500			752,500	319,842
Djibouti	UNEP					-	94,355
Dominica	UNEP					-	92,942
Dominican Republic	UNDP		498,209		182,750	680,959	-
Dominican Republic	UNEP		28,250			28,250	-
Ecuador	UNIDO		92,988			92,988	245,099
Ecuador	UNEP		22,600			22,600	73,450
Egypt	UNIDO	268,750				268,750	250,018
Egypt	UNDP	2,150,000				2,150,000	770,130
El Salvador	UNDP				63,348	63,348	118,250
El Salvador	UNEP				19,150	19,150	195,200
Equatorial Guinea	UNEP		33,900			33,900	107,350
Equatorial Guinea	UNIDO					-	81,750
Fiji	UNDP			52,211		52,211	86,982
Fiji	UNEP			36,047		36,047	60,116
Gabon	UNEP		51,980			51,980	174,133
Gabon	UNIDO					-	130,691
Gambia	UNEP		25,990			25,990	70,060
Gambia	UNIDO					-	54,500
Georgia	UNDP			161,250		161,250	162,218
Ghana	UNDP	215,000		204,250		419,250	474,409
Ghana	Italy	67,800		79,100		146,900	141,250
Grenada	UNEP					-	118,650
Guatemala	UNIDO		40,769		122,308	163,077	81,539
Guatemala	UNEP		22,600		39,550	62,150	14,972
Guinea	UNEP			67,800		67,800	205,660
Guinea	UNIDO					-	172,000
Guinea-Bissau	UNEP		33,900			33,900	73,450
Guinea-Bissau	UNIDO					-	43,600
Guyana	UNEP			7,910		7,910	-
Honduras	UNIDO		96,750			96,750	204,250
Honduras	UNEP		56,500			56,500	141,250
India	UNDP		7,525,000		1,546,377	9,071,377	-
India	UNEP		386,550		96,638	483,188	-
India	Germany		969,514		222,378	1,191,892	-
Indonesia	UNDP		4,300,000		490,310	4,790,310	478,375

Country	Agency	2012	2013	2014	2015	Total (2012-2015)	Total (>2015)
Indonesia	IBRD		1,013,475		145,888	1,159,363	145,888
Iran	UNDP	1,472,750	513,652		511,625	2,498,027	-
Iran	UNIDO	892,250	295,625		295,439	1,483,314	-
Iran	Germany	594,850			321,326	916,176	-
Iraq	UNEP		567,108		168,448	735,556	-
Iraq	UNIDO		75,250		279,500	354,750	-
Jamaica	UNDP		107,500			107,500	259,075
Jamaica	UNEP		20,340			20,340	44,070
Jordan	UNIDO		24,181			24,181	-
Jordan	IBRD		905,956	334,583		1,240,539	125,840
Kenya	France			224,222	197,596	421,818	298,496
Kiribati	UNEP				50,681	50,681	12,317
Kuwait	UNEP			377,301		377,301	480,303
Kuwait	UNIDO			3,600,586		3,600,586	2,122,958
Kyrgyzstan	UNDP			5,755		5,755	-
Kyrgyzstan	UNEP			3,978		3,978	-
Lao (Democratic People's Republic)	UNEP				55,088	55,088	15,679
Lao (Democratic People's Republic)	France				34,324	34,324	3,814
Lebanon	UNDP		801,508		134,117	935,625	134,117
Lesotho	Germany			76,840		76,840	126,560
Liberia	Germany				142,380	142,380	35,595
Macedonia (Former Yugoslav Republic of)	UNIDO	169,850	159,100	88,150	88,150	505,250	470,850
Madagascar	UNEP		79,100			79,100	180,800
Madagascar	UNIDO					-	129,000
Malawi	UNEP		62,150			62,150	129,950
Malawi	UNIDO					-	65,400
Malaysia	UNDP		3,900,877		515,327	4,416,204	515,327
Maldives	UNEP		195,942		113,746	309,688	56,500
Maldives	UNDP		21,500			21,500	-
Mali	UNEP		62,150			62,150	180,800
Mali	UNDP					-	129,000
Marshall Islands	UNEP				53,901	53,901	12,769
Mauritius	Germany			147,168		147,168	796,936
Mexico	UNIDO	747,137	621,717	129,000	243,291	1,741,145	-
Mexico	UNDP	4,085,000	4,085,000		1,206,691	9,376,691	-
Micronesia	UNEP				53,025	53,025	12,656
Moldova	UNDP				9,592	9,592	-
Mongolia	UNEP		73,450			73,450	119,780
Montenegro	UNIDO		123,625		74,175	197,800	119,325
Morocco	UNIDO	236,500				236,500	37,625
Mozambique	UNEP			39,550		39,550	101,700
Mozambique	UNIDO					-	81,750
Namibia	Germany		269,067			269,067	403,600
Nauru	UNEP				23,702	23,702	8,362
Nepal	UNEP				56,952	56,952	14,238
Nepal	UNDP				36,624	36,624	9,156
Nicaragua	UNEP				33,900	33,900	45,200
Nicaragua	UNIDO				54,500	54,500	82,295

Country	Agency	2012	2013	2014	2015	Total (2012-2015)	Total (>2015)
Niger	UNIDO					-	118,250
Niger	UNEP					-	197,750
Nigeria	UNDP		541,616	541,616	322,472	1,405,704	-
Nigeria	UNIDO		693,560		208,451	902,011	-
Niue	UNEP				22,685	22,685	8,249
Oman	UNIDO				37,625	37,625	-
Oman	UNEP				22,600	22,600	-
Pakistan	UNIDO		86,000	21,500		107,500	-
Pakistan	UNEP		226,000	45,200		271,200	-
Palau	UNEP				51,556	51,556	13,560
Panama	UNDP		108,475		34,255	142,730	-
Panama	UNEP		30,058		9,492	39,550	-
Papua New Guinea	Germany		380,120			380,120	626,080
Paraguay	UNEP				136,165	136,165	71,190
Paraguay	UNDP				141,362	141,362	-
Qatar	UNIDO		571,935		159,810	731,745	-
Qatar	UNEP		169,500		62,150	231,650	-
Region: ASP	UNEP				119,780	119,780	50,850
Rwanda	UNEP		45,200			45,200	99,440
Rwanda	UNIDO					-	59,950
Saint Kitts and Nevis	UNEP				55,596	55,596	19,097
Saint Lucia	UNEP	14,860			29,719	44,579	34,126
Saint Lucia	UNIDO	11,990			11,445	23,435	18,530
Saint Vincent and the Grenadines	UNEP				158,200	158,200	169,490
Samoa	UNEP				64,862	64,862	16,781
Sao Tome and Principe	UNEP		39,550			39,550	91,530
Senegal	UNIDO			80,625		80,625	247,482
Senegal	UNEP			169,330		169,330	316,083
Serbia	UNIDO		477,440			477,440	119,325
Serbia	UNEP		31,075			31,075	24,860
Seychelles	Germany		180,267		202,800	383,067	67,600
Sierra Leone	UNEP		25,990			25,990	70,060
Sierra Leone	UNIDO					-	54,500
Solomon Islands	UNEP				73,733	73,733	22,035
Sri Lanka	UNDP		64,500			64,500	170,781
Sri Lanka	UNEP		27,120			27,120	113,000
Sudan	UNIDO			118,250		118,250	43,000
Suriname	UNEP		32,205			32,205	54,805
Suriname	UNIDO					-	41,420
Swaziland	UNEP		62,150			62,150	90,400
Timor-Leste	UNEP		62,150		18,532	80,682	-
Timor-Leste	UNDP				11,641	11,641	-
Togo	UNEP		50,850			50,850	186,450
Togo	UNIDO					-	161,250
Tonga	UNEP				55,992	55,992	14,351
Trinidad and Tobago	UNDP		212,850		507,220	720,070	250,475
Turkmenistan	UNIDO		101,587			101,587	267,138
Tuvalu	UNEP				39,465	39,465	10,396
Uruguay	UNDP	107,500	123,625	21,500	48,379	301,004	-

Country	Agency	2012	2013	2014	2015	Total (2012-2015)	Total (>2015)
Vanuatu	UNEP				64,862	64,862	16,781
Venezuela (Bolivarian Republic of)	UNIDO	648,589	349,241		188,590	1,186,420	-
Venezuela (Bolivarian Republic of)	UNEP	52,727	28,391		15,332	96,450	-
Viet Nam	IBRD		6,087,742		1,124,860	7,212,602	-
Zambia	UNEP		45,200			45,200	107,350
Zambia	UNIDO					-	76,300
Zimbabwe	Germany		308,935		125,398	434,333	250,796
Total		51,696,891	83,562,104	43,664,148	54,617,324	233,540,467	22,953,381