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EXECUTIVE COMMITTEE OF THE MULTILATERAL FUND FOR THE IMPLEMENTATION OF THE MONTREAL PROTOCOL Thirty-second Meeting Ouagadougou, 6-8 December 2000

# STRATEGIC PLANNING AND THE DRAFT THREE-YEAR BUSINESS PLAN FOR THE MULTILATERAL FUND

# This document contains:

Part I: Status of Article 5 Countries in Achieving Compliance with the Initial Control

Measures of the Montreal Protocol, An Analysis by the Fund Secretariat

Part II: Implementation of the Montreal Protocol through Government Policy

Controls, A Status Report on Implementation by Article 5 Countries

Part III: Draft Three-year Business Plan for the Multilateral Fund

#### **PART I:**

# STATUS OF ARTICLE 5 COUNTRIES IN ACHIEVING COMPLIANCE WITH THE INITIAL CONTROL MEASURES OF THE MONTREAL PROTOCOL.

## An Analysis by the Fund Secretariat

#### Introduction

- 1. Part I of this document contains the Status of Article 5 countries in achieving compliance with the initial control measures of the Montreal Protocol. It updates document UNEP/OzL.Pro/ExCom/31/INF.2 which was presented by the Secretariat to the Informal Meeting of the Executive Committee that preceded its 31<sup>st</sup> Meeting in July 2000 and to the 24th Meeting of the Implementation Committee.
- 2. The Executive Committee will continue its informal and formal discussion on strategic planning before and during its 32<sup>nd</sup> Meeting. In order to assist the discussion, the Secretariat has prepared this report on the Status of Article 5 countries in achieving compliance with the initial control measures of the Montreal Protocol.

#### **METHODOLOGY**

- 3. The methodology used consisted of:
  - (a) data collection and verification;
  - (b) data processing;
  - (c) data limitation; and,
  - (d) data analysis.

#### Data collection and verification

4. 68 Article 5 countries reported complete 1999 data to the Ozone Secretariat as contained in the document, "Reporting of Data" that will be presented to the 12<sup>th</sup> Meeting of the Parties (UNEP/OzL.Pro/12/4) and the 25<sup>th</sup> Meeting of its Implementation Committee. An additional 11 countries have not reported 1999 data to the Ozone Secretariat but have reported their 1999 data to the Fund Secretariat within the context of the annual reports required by the Executive Committee on the implementation of the country programmes (Decision 17/34). Of the remaining 32 countries, the latest consumption data available was from 1998 for 27 countries, 1997 for 4 countries and 1996 for one country.

- 5. Data on the status of implementation of all activities and projects approved by the Executive Committee as of the end of 1999 were reported by the implementing and bilateral agencies in their annual progress reports.
- 6. Data on the level of phase out from projects submitted to the 32<sup>nd</sup> Meeting were obtained from project proposals.
- 7. Data on potential approvals during the year 2001 were obtained from the Draft Business Plan of the Multilateral Fund for the Year 2001.

# Data processing

- 8. The Fund Secretariat introduced these data into its database.
- 9. The database entries were organised for each controlled substance or group of substances in a matrix where each row represents an Article 5 country whose reported and calculated data are analysed in the matrix columns.
- 10. Thus, each matrix includes 11 or 12 numbered columns (halon has 12): five of which represent fixed (reported) data including the baselines for compliance with the freeze and 50 per cent reduction in CFCs; latest consumption data; data on ODS to be phased out from approved but unimplemented projects, projects submitted to the 32<sup>nd</sup> Meeting, projects include in the 2001 draft business plans; and whether a country is implementing an RMP for CFCs, a halon banking project for halons (a 12<sup>th</sup> column for having received assistance for halon activities) and having received assistance for methyl bromide activities. The other 6 columns represent calculated data pertaining to the status of a country's compliance with the freeze and assessments of ODS phase-out needs to achieve compliance both with the freeze and the subsequent reduction target.

#### Data limitation

- 11. The data reported by Parties has the following limitations:
  - a) the 12 month period for determining compliance with the CFC freeze does not represent a calendar year as the period begins from 1 July 1999 and ends by 30 June 2000, with official data for 2000 becoming known only in late 2001;
  - b) the latest consumption either from 1998 or 1999 is reported according to the definition of the term consumption in the Montreal Protocol (consumption = production + imports exports) which may include actual use and stockpiles. The latter is crucial when a country is not in compliance since the quantities stockpiled may amount to the difference between compliance and non-compliance.
  - c) countries may change data reported for previous years which can impact the baseline for compliance and/or the latest consumption;

# Data analysis

- 12. The analysis was not performed for 16 countries either due to insufficient data or because some countries have been urged not to seek assistance from the Multilateral Fund.
- 13. The analysis was not performed for the production sector because the Executive Committee has established a process for production sector projects. Of the seven Article 5 countries with CFC production facilities, the Governments of China and India have agreements in place for scheduled reductions; Argentina and Korea DPR have begun the process. The remaining countries with CFC production facilities include Mexico, Romania and Venezuela. For halon production, China has an agreement in place.
- 14. The analysis in Part I does not account for industrial and regulatory initiatives that could assist countries in meeting their obligations. However, Part II of this document deals exclusively with the implementation of the Montreal Protocol through government policy.
- 15. Analysis of the data was performed within the following boundary conditions:
  - a) consumption in 2000 is assumed to be the same as that of 1999 (or 1998 if data was not reported for 1999, etc.);
  - b) amount of ODS to be phased out from approved but not implemented projects and from projects submitted to the 32<sup>nd</sup> Meeting represent actual amounts to be phased out; and
  - c) ODS consumption beyond 2000 is assumed not to exceed the latest reported consumption.
- 16. Within these boundary conditions, and on the basis of the information gathered, the Secretariat prepared three compliance profiles for each Article 5 country, one for CFCs, another for halons, and a third for methyl bromide. The profiles are included in Annexes I-III to Part I of this document.
  - a) Freeze of CFCs:
    - (i) the amount of CFCs in ODP tonnes representing a country's baseline (column 1) was subtracted from its latest CFCs consumption (column 2). The result is listed for each country in column 3 of the matrix, where a zero value indicates that the country concerned is assumed to be in compliance and the non-zero values indicate the amount of phase out needed for the concerned country to be in compliance;
    - (ii) The ODP approved for phase-out but not yet implemented, which is listed in column 4 for the relevant countries and the amount in projects submitted to the 32<sup>nd</sup> Meeting in column 5 was subtracted from column 3. The results are listed in column 6 where a zero value indicates that the

country will achieve compliance. The non-zero values represent the future annual amounts of CFCs needed to be permanently phased out either through new approvals by the Executive Committee, or by measures to be taken by the country concerned to reduce its consumption.

- b) 50 per cent reduction in CFCs:
  - (i) Latest consumption (column 2) was reduced by the amount of phase-out in projects approved, but not implemented (column 4) and the amount in projects submitted to the 32<sup>nd</sup> Meeting (column 5), the results are recorded in column 9. (A negative value means that the ODP to be phased out from unimplemented (and submitted) projects will exceed the latest reported consumption by the negative amount indicated in column 9.)
  - (ii) The amount in column 9 was compared with 50 per cent of the baseline (column 8) and the results were recorded in column 10. A negative value in column 10 indicates that no additional phase-out is needed to meet the 50 per cent reduction. The negative value denotes the amount by which the country will have surpassed its 50 per cent reduction target.
  - (iii) As mentioned above, column 7 contains ODP phase-out that would result from the approval of projects included in the 2001 business plan. The phase-out from projects in the 2001 business plan may also have an impact on a country's ability to meet its 50 per cent reduction targets in 2005.
  - (iv) Column 11 provides information on whether or not an RMP, has been approved for the country concerned by the Executive Committee. This may also have an impact on a country's ability to meet its obligations.
- c) Halons:
- 17. A similar analysis was undertaken to determine the potential profiles of Article 5 countries with regard to the 2000 freeze and the 50 per cent reduction in 2005. Column 11 in the case of halons indicates if a halon banking activity has been approved. Column 12 indicates if halon activities have been approved for the country concerned.
  - d) Methyl bromide:
- 18. The same was done for methyl bromide with regard to the 2002 freeze and a 20 per cent reduction is 2005. Column 11 indicates whether methyl bromide activities have been approved for the country concerned.

# **ANALYSIS OF COMPLIANCE FOR CFCs (Annex I)**

19. The findings and observations from the analysis of the freeze and 50 per cent targets for CFCs are presented in this section.

## **Findings**

# Meeting the CFC Freeze

- 20. The analysis revealed that countries could be broadly grouped into three categories.
  - (a) Countries assumed to be in compliance
- 21. The category represents 80 countries (compared to 64 countries in the July analysis) that could be considered to be in compliance now based on their latest reported consumption data. The countries' latest combined consumption of 90,039 ODP tonnes is some 35,474 ODP tonnes lower than their baseline level of 125,514 ODP tonnes. 53 of these countries are LVCs. All of these countries have received support from the Multilateral Fund. Whilst more countries appear to be in compliance than in the July analysis and latest consumption has decreased from 95,820 ODP tonnes, the baseline for measuring CFC compliance has increased from the July level of 120,071 ODP tonnes.
  - (b) Countries that could achieve compliance by the end of 2002
- 22. The category, which is represented by 14 countries including 8 LVCs, contains countries that could achieve compliance by 2002 if projects approved for them are implemented by that date. The projects amount to a future phase-out of 6,510 ODP tonnes.
  - (c) Countries that may not achieve compliance by the end of 2002
- 23. The 15 countries in this category include 12 LVCs. These countries may not achieve compliance by the end of 2002 based on their latest consumption data. The Executive Committee has approved RMPs for 9 of these countries. Additional action may be needed to phase-out a total of 550 ODP tonnes to bring these countries into compliance. Submission, approval and implementation of projects included in the 2001 draft business plans should bring two of these countries into compliance with the freeze in the future.

#### Meeting the 50 per cent reduction target in 2005

- 24. The analysis revealed that countries could be grouped into two categories.
  - (a) Countries that could achieve compliance before 2005
- 25. The category represents countries which could achieve compliance with the 50 per cent reduction before 2005 based on their latest reported consumption, and contingent on the implementation of the projects approved (and those submitted to the 32<sup>nd</sup> Meeting) for them.

This category consists of 52 countries including 30 LVCs. This is compared to 38 countries and 21 LVCs that was reported in the July analysis.

- (b) Countries that may need additional action to achieve compliance by 2005
- 26. The category consists of 57 countries including 43 LVCs, which may need additional phase-out amounting to 11,469 ODP tonnes before 2005 in order to comply with the 50 per cent reduction target. Of the amount needed for phase-out, 9,510 ODP tonnes is consumed by 20 countries, which are slated in the 2001 business plans to receive projects that will phase out 6,877 ODP tonnes.
- 27. Of the 57 countries, the Executive Committee has approved RMPs for 28 LVCs and 3 for non-LVCs.

#### **Observations**

- 28. There appears to be a need for immediate actions in four countries that are at risk of not meeting their compliance with their CFC freeze obligations.
- 29. For another 14 countries, approved (and submitted) projects must be implemented sooner than planned to overcome the prospects of delayed compliance with their CFC freeze obligations.
- 30. Momentum should be maintained, phase-out from implemented projects must be sustained, vigorous implementation of RMPs and business plans, and actions on the parts of governments and the Multilateral Fund are needed for most countries to ensure their compliance with the 50 per cent reduction targets by the year 2005.

# **ANALYSIS OF COMPLIANCE FOR HALONS (Annex II)**

31. This section presents the analysis for compliance with halon control measures except for China that is assumed to meet its obligations by existing agreement with the Executive Committee.

## Additional data limitations

- (a) 54 countries had a zero level of consumption for 1995 to 1999.
- (b) 16 countries have not reported baseline or latest consumption data.

# **Findings**

# Meeting the Halon Freeze

- 32. Cognisant of the fact that the freeze is still 12 months away, the indications from the analysis suggest that:
  - (a) Countries would be in compliance now
- 33. For the 54 countries with halon consumption, 37 countries (compared to 33 in the July analysis) could be considered to be in compliance now based on their latest reported consumption data provided that this level of consumption will not increase. These countries' latest combined consumption of 1,487 ODP tonnes is some 1,685 ODP tonnes lower than their freeze baseline of 3,172 ODP tonnes. 22 of these countries are LVCs. 11 of the 37 countries have received support from the Multilateral Fund, 4 of which for halon banking. Whilst more countries appear to be in compliance than in the July analysis and latest consumption has decreased from 1,586 ODP tonnes, the baseline for measuring halon compliance has increased from the July level of 2,855 ODP tonnes.
  - (b) Countries that could achieve compliance by the end of 2002
- 34. 3 countries that could achieve compliance by the end of 2002 if projects approved for them are implemented by that date. The projects amount to a future phase-out of 1,568 ODP tonnes.
  - (c) Countries that may not achieve compliance by the end of 2002
- 35. 14 countries may not achieve compliance with the freeze target in 2002. These countries would need to phase-out a total of 2,113 ODP tonnes to achieve compliance in 2002. Three of those countries have already received support from the Fund for halon activities including one country that has received support for halon banking. The 2001 draft business plans include activities in the sector for one of the 14 countries.

#### Meeting the 50 per cent reduction target in 2005

- 36. Assuming that the latest reported consumption will not increase and that all approved (and submitted) projects are implemented before 2005, the analysis points to the following prospects for potential compliance with the 50 per cent reduction target:
  - (a) 35 countries could achieve compliance with the 50 per cent reduction before 2005 based on their latest reported consumption and contingent upon the implementation of approved (and submitted) projects. This group of countries includes 20 LVCs.
  - (b) 19 countries including 6 LVCs may need additional phase-out amounting to 3,678 ODP tonnes before 2005 in order to comply with the 50 per cent reduction targets.

Of this amount, 2,460 ODP tonnes should be phased out in Iran. The remaining 1,218 ODP tonnes represents the amount needed to be phased out in the other 18 countries to achieve compliance by 2005. Four of these 18 countries have received support for halon activities from the Multilateral Fund including halon banking in one of these countries. Submission, approval and implementation of projects included in the 2001 draft business plans could enable one of these 18 countries to achieve compliance with its 50 per cent reduction target.

## **Observations**

- 37. There appears to be a need for immediate actions to enable 11 countries to achieve compliance by 2002 with their halon freeze obligations.
- 38. For another 3 countries, approved (and submitted) projects must be implemented sooner than planned to overcome the prospects of delayed compliance with their halon freeze obligations.
- 39. Momentum must be maintained, vigorous implementation of halon banking and business plans, and actions on the parts of governments and the Multilateral Fund are needed for most countries to ensure that they will be able to achieve compliance with the 50 per cent reduction targets by the year 2005.

# **ANALYSIS OF COMPLIANCE FOR METHYL BROMIDE (Annex III)**

40. This section presents the analysis for compliance with methyl bromide control measures. It should be noted that all data reported and used in this analysis are those related to controlled use only.

# **Additional boundary conditions**

- (a) Of the 71 Article 5 countries that have ratified the Copenhagen Amendment, only 58 countries have reported complete data to the Ozone Secretariat, which includes the baseline and 1999 data. Of these 58 countries, 14 reported zero for the baseline and latest consumption. As such only 44 countries are included in the analysis.
- (b) Phase-out projects have been approved in 11 Article 5 countries. This includes projects that will lead to a complete phase out of methyl bromide in five Article 5 countries. Four projects have been submitted to the 32<sup>nd</sup> Meeting for complete phase out of methyl bromide.

#### **Findings**

41. Countries were grouped into three categories for the purposes of this analysis: those that have ratified the Copenhagen Amendment and have provided baseline and latest consumption

data, those that have ratified the Copenhagen Amendment but have not provided sufficient data for analysis, and those that have not ratified the Copenhagen Amendment.

# Meeting the Methyl Bromide Freeze

- 42. Cognisant of the fact that the freeze is in 2002, the indications from the analysis suggest that:
  - (a) Countries that have ratified the Copenhagen Amendment with data for analysis
- 43. Of the 44 countries that have ratified the Copenhagen Amendment, 19 countries could be considered to be in compliance now based on their latest reported consumption data provided that this level of consumption will not increase. 17 of the 19 countries that could be considered in compliance now have received assistance from the Multilateral Fund for methyl bromide activities.
- 44. 8 countries could achieve compliance by 2002 if projects approved for them are implemented by that date. The projects approved (and submitted) amount to a future phase-out of 900 ODP tonnes.
- 45. The other 17 countries may not achieve compliance with the freeze target in 2002. These countries would need to phase-out a total of 397 ODP tonnes to achieve the freeze in 2002. The Multilateral Fund has provided funding for methyl bromide projects and other activities in 10 of these countries and four, that have received assistance in the past, are slated in the 2001 draft business plans to receive projects that would enable them to achieve the freeze if these projects are approved and implemented in time.
  - (b) Countries that have ratified the Copenhagen Amendment without data needed for the analysis
- 46. 13 countries that have ratified the Copenhagen Amendment did not provide sufficient data for analysis; 4 of these 13 countries have received assistance from the Multilateral Fund.
  - (c) Countries that have not ratified the Copenhagen Amendment
- 47. Of the 54 Article 5 countries that have not ratified the Copenhagen Amendment, 23 countries reported data indicating that 15 of which could be considered to be in compliance now based on their latest reported consumption data provided that this level of consumption will not increase.
- 48. The Multilateral Fund has provided assistance to 9 of the 54 countries.

# Meeting the 20 per cent reduction target in 2005

- 49. Assuming that the latest reported consumption will not increase and that all approved projects are implemented before 2005, the analysis points to the following prospects for potential compliance with the 20 per cent reduction target:
  - (i) 23 of the 44 countries that provided data and have ratified the Copenhagen Amendment could achieve compliance with the 20 per cent reduction before 2005 based on their latest reported consumption and contingent upon the implementation of approved projects.
  - ODP tonnes before 2005 in order to comply with the 20 per cent reduction targets. 14 of the 21 countries have received support for methyl bromide activities from the Multilateral Fund. Whilst 6 of the 21 countries have projects included in the 2001 draft business plans, the approval and timely implementation of these projects will be sufficient to enable 5 countries to achieve their 20 per cent reduction target.
  - (iii) Of the 23 countries that have not ratified the Copenhagen Amendment, 12 countries could achieve their 20 per cent reduction before 2005 based on their latest reported consumption. 5 of these 12 countries have received assistance from the Multilateral Fund.

#### **Observations**

- 50. There appears to be a need for immediate actions to enable 7 countries to achieve compliance by 2002 with their halon freeze obligations.
- 51. For another 3 countries, approved (and submitted) projects must be implemented sooner than planned to overcome the prospects of delayed compliance with their methyl bromide freeze obligations.
- 52. Countries that have ratified the Copenhagen Amendment should provide data to the Ozone Secretariat.
- 53. Parties that have not ratified the Copenhagen Amendment should be encouraged to do so and report complete data to the Ozone Secretariat.
- 54. Since the freeze occurs in 2002 and considering that project implementation in the sector needs up to four years to be completed, urgent actions are needed by all concerned to ensure that as many countries as possible will be able to achieve (and remain in) compliance.

NOTE: A graphic presentation of the analysis for CFCs, halons, and methyl bromide has been done and will be posted on the Fund Secretariat's web site, only, as Annexes IV-VI.

# CARBON TETRACHLORIDE (CTC) AND METHYL CHLOROFORM (TCA)

- 55. An analysis similar to that for CFCs, halons and methyl bromide was not possible to perform for CTC and TCA for the following reasons:
  - (a) The baseline for compliance with the control measures applicable to CTC and TCA (average 1998-2000) will only be established sometime in 2001;
  - (b) CTC consumption data were reported to the Ozone Secretariat by 25 Article 5 countries (excluding 45 countries with no consumption) for 1999 and 8 Article 5 countries (excluding 21 countries with no consumption) for 1998. An additional 11 countries have not reported 1999 data to the Ozone Secretariat but have reported their 1999 data on the implementation of Country Programme to the Fund Secretariat. Four of the reporting countries have not ratified the London Amendment;
  - (c) TCA consumption data were reported to the Ozone Secretariat by 20 Article 5 countries (excluding 50 countries with no consumption) for 1999 and 10 Article 5 countries (excluding 19 countries with no consumption) for 1998. An additional 11 countries have not reported 1999 data to the Ozone Secretariat but have reported their 1999 data on the implementation of Country Programme to the Fund Secretariat. Three of the reporting countries have not ratified the London Amendment; and
  - (d) Reported CTC consumption is not differentiated into uses such as solvents, process agents and feedstock (for example, China reported CTC consumption in 1998 amounting to more than 85,000 ODP tonnes, but indicated a consumption of 110 ODP tonnes in its report to the Fund Secretariat).
- 56. As of the end of 2000, the Executive Committee approved projects for the phase-out of 831 ODP tonnes of CTC and 585 ODP tonnes of TCA out of reported consumption of about 12,194 ODP tonnes of CTC and about 1,547 ODP tonnes of TCA.
- 57. Although there is no freeze of CTC for Article 5 countries that ratified the London Amendment, these countries are required to reduce their consumption by 85 per cent on 1 January 2005.
- 58. The World Bank plans to include CTC and TCA production closure projects in its 2001 business plans with a project for CTC in 2001 and one CTC and one TCA production closure in 2002. The 2001 draft business plans also include the CTC projects in Pakistan, Korea, DPR, and India.

- 59. The consumption of TCA is required to be frozen on 1 January 2003 at the average of 1998-2000, and to be reduced by 30 per cent from this baseline on 1 January 2005 for all Article 5 countries.
- 60. Article 5 countries should be encouraged to:
  - (a) report complete data earlier rather than later in 2001 on their CTC and TCA consumption to enable the determination of the compliance baselines for the two substances;
  - (b) differentiate their CTC consumption into solvent, process agent and feedstock; and,
  - (c) take early action to control their consumption of CTC and TCA including the identification of potential investment projects to be included in the 2002 business plans of the implementing and bilateral agencies;
  - (d) ratify the London Amendment by the countries that have not done so.

Column Number	Status	Latest Co	onsumption	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Country	Status	Year	Source	CFC baseline (1995-1997)	Latest con- sumption	Amount needed to meet the freeze	Phase-out approved but not yet implemented (as of August 2000)	Phase-out in projects submitted to the 32nd Meeting	Future phase-out needed to meet the freeze	ODS phase-out in draft 2001 business plan	50% CFC reduction	Balance from approved and submitted projects	Additional phase-out needed to meet 50% CFC reduction	RMP approved (Yes/No)
						(2) - (1)			(3)-(4)-(5)		(1)*.50	(2)-(4)-(5)	(9) - (8)	
Countries assumed to be in	n compliance w	ith the freez	ze											
Algeria	Non-LVC	1999	A7	2,119.50	1,502.20	0	454.5	202.3	0		1,059.75	845.40	-214.35	No
Antigua and Barbuda	LVC	1999	A7	10.7	-2	0	1		0		5.35	-3.00	-8.35	Yes
Argentina	Non-LVC	1999	A7	4,855.50	4,316.30	0	1,549.00	96.42	0	163	2,427.75	2,670.88	243.13	No
Bahrain	LVC	1999	CP	132.7	129	0	17		0	15	66.35	112.00	45.65	Yes
Barbados	LVC	1999	A7	21.5	16.5	0	0		0.00		10.75	16.50	5.75	No
Bostwana	LVC	1997	A7	6.8	6.8	0.00	1.5		0		3.40	5.30	1.90	Yes
Brunei Darussalem	LVC	1999	A7	78.2	36.7	0	0		0.00		39.10	36.70	-2.40	No
Burkina Faso	LVC	1999	A7	36.3	30.6	0	0	3	0		18.15	27.60	9.45	Yes
Central African Republic	LVC	1999	A7	11.3	1.4	0	5.8		0		5.65	-4.40	-10.05	No
Chile	Non-LVC	1999	CP	828.7	657.5	0	670		0	22	414.35	-12.50	-426.85	Yes
China	Non-LVC	1999	CP	57,818.70	45,592	0	16,380.20	3,301.38	0	3,788	28,909.35	25,910.42	302.45	No
Colombia	Non-LVC	1999	A7	2,208.20	985.5	0	306.6	127.2	0	130	1,104.10	551.70	-552.40	No
Comoros	LVC	1999	A7	2.5	2.5	0.00	0		0.00		1.25	2.50	1.25	No
Congo	LVC	1999	A7	11.90	9.3	0	19.2		0	5	5.95	-9.90	-15.85	No
Costa Rica	LVC	1999	A7	250.2	152.3	0	70.3		0		125.10	82.00	-43.10	No
Cote D'Ivoire	LVC	1999	A7	294.2	166.2	0	24.8		0		147.10	141.40	-5.70	Yes
Croatia	LVC	1999	CP	219.3	141.51	0	25.6		0		109.65	115.91	6.26	Yes
Cuba	Non-LVC	1999	A7	625.1	571.4	0	11.2		0	25	312.55	560.20	247.65	Yes
Cyprus	LVC	1998	A7	149.5	81	0	0		0.00		74.75	81.00	6.25	No
Dominica	LVC	1999	A7	1.5	1.1	0	0	_	0.00	_	0.75	1.10	0.35	Yes
Ecuador	LVC	1999	A7	301.4	153	0	76.1		0		150.70	76.90	-73.80	No
Egypt	Non-LVC	1999	A7	1,668.00	1,373.60	0	676.4		0		834.00	697.20	-136.80	Yes
El Salvador	LVC	1999	A7	306.6	109.5	0	58.7	_	0	_	153.30	50.80	-102.50	Yes
Fiji	LVC	1998	A7	33.4	13.1	0	5.2		0		16.70	7.90	-8.80	Yes

Column Number	Status	Latest Co	onsumption	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Country		Year	Source	CFC baseline (1995-1997)	Latest con- sumption	Amount needed to meet the freeze	Phase-out approved but not yet implemented (as of August 2000)	Phase-out in projects submitted to the 32nd Meeting	Future phase-out needed to meet the freeze	ODS phase-out in draft 2001 business plan	50% CFC reduction	Balance from approved and submitted projects	Additional phase-out needed to meet 50% CFC reduction	RMP approved (Yes/No)
						(2) - (1)			(3)-(4)-(5)		(1)*.50	(2)-(4)-(5)	(9) - (8)	
Gabon	LVC	1999	A7	10.30		0	12.20		0	5.00		-3.90	-9.05	
Gambia	LVC	1999	A7	23.8		0	0		0.00		11.90	6.90	-5.00	
Georgia	LVC	1999	CP	22.5		0	3.7		0	7.5		17.80	6.55	Yes
Grenada	LVC	1998	A7	6	3.8	0	1.2		0		3.00	2.60	-0.40	
Guatemala	LVC	1999	A7	224.60	191.10	0	0.00		0.00		112.30	191.10	78.80	Yes
Guinea	LVC	1999	A7	42.4	39.9	0	0		0.00		21.20	39.90	18.70	Yes
Guyana	LVC	1999	A7	53.20	39.90	0	13.70		0		26.60	26.20	-0.40	Yes
India	Non-LVC	1998	A7	6,681.00	5,264.60	0	3,462.60	183.81	0	545	3,340.50	1,618.19	-1,722.31	No
Indonesia	Non-LVC	1999	A7	8,332.70	5,865.80	0	3,479.20		0	80	4,166.35	2,386.60	-1,779.75	No
Jordan	Non-LVC	1999	A7	673.3	398	0	429.6	12	0		336.65	-43.60	-380.25	Yes
Kiribati	LVC	1998	A7	0.7	0.5	0	0		0.00		0.35	0.50	0.15	No
Korea DPR	Non-LVC	1999	A7	441.7	106	0	0		0.00		220.85	106.00	-114.85	No
Kuwait	Non-LVC	1999	A7	480.4	450	0	0		0.00		240.20	450.00	209.80	No
Lebanon	Non-LVC	1999	CP	725.5	463.57	0	372.4		0	10	362.75	91.17	-271.58	No
Lesotho	LVC	1998	A7	5.1	3.4	0	0		0.00		2.55	3.40	0.85	Yes
Libya	Non-LVC	1997	A7	716.7	647.5	0	0	167	0	280	358.35	480.50	289.15	No
Macedonia	LVC	1999	A7	519.7	191.9	0	13.5	25	0		259.85	153.40	-106.45	Yes
Madagascar	LVC	1999	A7	47.9	26.3	0	0		0.00		23.95	26.30	2.35	Yes
Malawi	LVC	1999	A7	57.7	50.9	0	33		0		28.85	17.90	-10.95	Yes
Malaysia	Non-LVC	1999	A7	3,271.1	2,010.1	0	830.3	133.12	0		1,635.55	1,046.68	-588.87	No
Maldives	LVC	1998	A7	4.6	0.9	0	0		0.00		2.30	0.90	-1.40	No
Mauritania	LVC	1999	A7	15.7	13.4	0	2		0		7.85	11.40	3.55	No
Mauritius	LVC	1999	A7	29.1	18.6	0	24		0		14.55	-5.40	-19.95	Yes
Mexico	Non-LVC	1999	A7	4,624.9	2,837.9	0	635.9	988	0	240	2,312.45	1,214.00	-1,098.45	No
Moldova	LVC	1999	A7	73.3	11.1	0	21.9		0		36.65	-10.80	-47.45	Yes
Myanmar	LVC	1999	A7	54.3	30.7	0	0		0.00		27.15	30.70	3.55	No

Column Number	Status	Latest Co	onsumption	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Country		Year	Source	CFC baseline (1995-1997)	Latest con- sumption	Amount needed to meet the freeze	Phase-out approved but not yet implemented (as of August 2000)	Phase-out in projects submitted to the 32nd Meeting	Future phase-out needed to meet the freeze	ODS phase-out in draft 2001 business plan	50% CFC reduction	Balance from approved and submitted projects	Additional phase-out needed to meet 50% CFC reduction	RMP approved (Yes/No)
						(2) - (1)			(3)-(4)-(5)		(1)*.50	(2)-(4)-(5)	(9) - (8)	
Namibia	LVC	1999	CP	21.9	16.76	0	5.4		0		10.95	11.36		Yes
Nicaragua	LVC	1999	CP	82.8		0	12.8		0		41.40	39.80	-1.60	
Pakistan	Non-LVC	1998	A7	1,679.4	1,196.0	0	1,261.20	78.68	0		839.70	-143.88	-983.58	
Panama	LVC	1999	A7	384.2	301.1	0	42		0		192.10	259.10	67.00	
Philippines	Non-LVC	1999	CP	3,055.90	2,087.60	0	94.7		0		1,527.95	1,992.90	464.95	No
Romania	Non-LVC	1999	A7	675.8		0	192.4		0		337.9	145.80	-192.1	Yes
Saint Kitts and Nevis	LVC	1997	A7	3.7	3.6	0	2		0		1.85	1.60	-0.25	
Saint Lucia	LVC	1998	A7	8.3		0	3		0		4.15	3.30	-0.85	
Senegal	LVC	1999	A7	155.8	121.1	0	0		0.00		77.90	121.10	43.20	No
Seychelles	LVC	1999	A7	2.8	1.1	0	0		0.00		1.40	1.10	-0.30	Yes
Slovenia	LVC	1999	A7	118.4	0.1	0	0		0.00		59.20	0.10	-59.10	No
Solomon Islands	LVC	1998	A7	2.1	0.8	0	0		0.00		1.05	0.80	-0.25	No
South Africa	Non-LVC	1999	A7	592.6	117.3	0	0		0.00		296.30	117.30	-179.00	No
Sri Lanka	LVC	1999	A7	400.4	216.4	0	5	5	0		200.20	206.40	6.20	No
Sudan	LVC	1999	A7	456.8	294.5	0	97.6		0		228.40	196.90	-31.50	Yes
Swaziland	LVC	1999	A7	24.6	2.1	0	4		0		12.30	-1.90	-14.20	Yes
Syria	Non-LVC	1999	CP	2,224.60	1,280.70	0	910.3	103.43	0	37.5	1,112.30	266.97	-845.33	Yes
Tanzania	LVC	1999	A7	253.9	88.9	0	160.2		0		126.95	-71.26	-198.21	Yes
Thailand	Non-LVC	1999	A7	6,082.10	3,610.60	0	1,564.70	22.70	0		3,041.05	2,023.20	-1,017.85	No
Trinidad and Tobago	LVC	1999	A7	120	81.7	0	46.5		0		60.00	35.18	-24.82	Yes
Tunisia	Non-LVC	1999	A7	870.1	566	0	358.7	56.6	0	53	435.05	150.70	-284.35	No
Turkey	Non-LVC	1999	A7	3,805.70	1,791.10	0	928.2	1958.45	0	330	1,902.85	-1,095.55	-2,998.40	No
Tuvalu	LVC	1999	A7	0.3	0.2	0	0		0.00		0.15	0.20	0.05	No
Uganda	LVC	1999	A7	12.8	12.2	0	0		0.00		6.40	12.20	5.80	Yes
Uruguay	LVC	1999	A7	199.1	111.4	0	11.3		0		99.55	100.10	0.55	Yes
Venezuela	Non-LVC	1999	A7	3,321.60	1,922.10	0	496.5	60.1	0	20	1660.8	1,365.50	-295.3	No

#### ANNEX I **CFC ANALYSIS** Column Number Status **Latest Consumption** (8) (9) (10)(11) (1) (2) (3) (4) (5) **(6) (7)** CFC ODS 50% CFC Latest Phase-out Balance Additional **RMP** Country Year Source Amount Phase-out Future baseline conneeded to approved but in projects phase-out phase-out reduction from phase-out approved (1995-1997) needed to sumption meet the not yet submitted needed to in draft approved (Yes/No) freeze implemented to the 32nd meet the 2001 and meet 50% Meeting business submitted CFC (as of August freeze 2000) plan projects reduction (2) - (1)(3)-(4)-(5)(1)\*.50(2)-(4)-(5)(9) - (8)Non-LVC 1999 A7 500 293.9 128.1 86.6 250.00 165.80 -84.20 No Vietnam Non-LVC A7 849.2 519.4 0.00 424.60 519.40 94.80 No Yugoslavia 1998 0 0 13.00 Yes Zambia LVC 1998 A7 27.4 26.7 0 0.00 13.70 26.70 0 Zimbabwe LVC 1999 A7 451.4 229.1 6.9 225.70 222.20 -3.50 Yes 0 Countries that could achieved the freeze compliance by the end of 2002 16.75 No Bolivia LVC 1999 52.7 61.9 9.20 18.8 40 26.35 43.10 A7 Brazil Non-LVC 1999 A7 10,525.80 11,612.00 1.086.20 1.881.70 518.30 1155 5,262.90 9,212.00 3.949.10 No Non-LVC 1999 A7 256.9 361.5 104.60 250 128.45 111.50 -16.95 No Cameroon Chad LVC 1998 A7 34.6 38.1 3.50 8.8 0 17.30 29.30 12.00 Yes LVC 1999 A7 35.6 46.8 11.20 38 0 17.80 4.80 -13.00 No Ghana Honduras LVC 1999 A7 331.6 334.8 3.20 14.2 0 165.80 320.60 154.80 Yes 5,571.00 4,021.02 Iran Non-LVC 1998 A7 4,635.00 936.00 1168.3 381.68 0 651 2,317.50 1,703.52 No Kenya LVC 1999 A7 239.5 241.1 1.60 8.5 0 119.75 232.60 112.85 Yes Mali LVC 1998 A7 108.1 113.1 5.00 19.5 0 54.05 87.30 33.25 Yes 6.3 Morocco Non-LVC 1998 A7 802.3 923.6 121.30 669.9 17.3 0 12 401.15 236.40 -164.75 No Nepal LVC 1998 A7 27 32.9 5.90 0 13.50 26.90 13.40 Yes Non-LVC A7 0 579 1,825.00 3,481.98 1,656.98 No Nigeria 1998 3,650.00 4,761.50 1,111.50 1094 185.52 144.75 Peru LVC 1999 A7 289.5 295.6 6.10 39.8 14 255.80 111.05 Yes 0 Non-LVC A7 349.1 453.3 104.20 179.3 37 174.55 274.00 99.45 No 1998 Yemen 0 Countries may not achieved freeze compliance by the end of 2002 LVC Bahamas 1998 A7 38.7 54.6 15.90 12.6 3.30 19.35 42.00 22.65 Yes Bangladesh Non-LVC 1997 A7 580.4 832.2 251.80 136.2 115.60 290.20 696.00 405.80 Yes Belize LVC 1998 A7 25 11.40 1.7 9.70 6.80 23.30 16.50 Yes 13.6 LVC 123 1999 A7 60 63.00 0 27.3 35.70 30.00 95.70 65.70 No Benin

Column Number	Status	Latest Co	onsumption	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Country		Year	Source	CFC baseline (1995-1997)	Latest con- sumption	Amount needed to meet the freeze	Phase-out approved but not yet implemented (as of August 2000)	Phase-out in projects submitted to the 32nd Meeting	Future phase-out needed to meet the freeze	ODS phase-out in draft 2001 business plan	50% CFC reduction	Balance from approved and submitted projects	Additional phase-out needed to meet 50% CFC reduction	RMP approved (Yes/No)
						(2) - (1)			(3)-(4)-(5)		(1)*.50	(2)-(4)-(5)	(9) - (8)	
Burundi	LVC	1998	A7	59		5.50	5.4		0.10			59.10	29.60	
Dominican Republic	Non-LVC	1999	CP	539.8	752.1	212.30	116.5		95.80	30	269.90	635.60	365.70	Yes
Ethiopia	LVC	1998	A7	33.8	38.2	4.40	0		4.40		16.90	38.20	21.30	Yes
Jamaica	LVC	1999	A7	93.2	153.6	60.40	9.6		50.80	10	46.6	144.00	97.40	Yes
Mongolia	LVC	1999	A7	10.6	20.6	10.00	0		10.00	10	5.30	20.60	15.30	No
Niger	LVC	1999	A7	32	58.3	26.30	5.8		20.50	7.5	16	52.50	36.50	Yes
Papua New Guinea	LVC	1998	A7	36.2	45.2	9.00	0		9.00		18.10	45.20	27.10	No
Paraguay	Non-LVC	1999	A7	146.9	345.3	198.40	0	23.049	175.35	22	73.45	322.25	248.80	No
Qatar	LVC	1998	A7	101.4	120.8	19.40	0		19.40		50.70	120.80	70.10	No
Saint Vincent	LVC	1998	A7	1.8	2.3	0.50	0		0.50		0.90	2.30	1.40	Yes
Samoa	LVC	1999	A7	4.5	4.8	0.30	0		0.30		2.25	4.80	2.55	No
Countries with No Data Repo	rted													
Albania	NDR			NDR	NDR									No
Angola	NDR			NDR	NDR				0.00					No
Bosnia and Herzegovina	LVC	1998	A7	NDR	45.1		0		0.00	44.5		45.10		No
Congo, DR	NDR			NDR	NDR				0.00	40.13				No
Djibouti	NDR			NDR	NDR				0.00					No
Haiti	NDR			NDR	NDR				0.00					No
Lao's People Democratic Republic	NDR			NDR	NDR				0.00					No
Liberia	NDR			NDR	NDR				0.00					No
Marshall Islands	NDR			NDR	NDR				0.00					No
Micronesia	NDR			NDR	NDR				0.00					No
Mozambique	LVC	1996	A7	NDR	21.7				0.00			21.70		Yes
Oman	NDR			NDR	NDR				0.00					No

Column Number	Status	<b>Latest Consumption</b>	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Country		Year Source	CFC baseline (1995-1997)	Latest con- sumption	Amount needed to meet the freeze	Phase-out approved but not yet implemented (as of August 2000)	Phase-out in projects submitted to the 32nd Meeting	Future phase-out needed to meet the freeze	ODS phase-out in draft 2001 business plan	50% CFC reduction	Balance from approved and submitted projects	Additional phase-out needed to meet 50% CFC reduction	RMP approved (Yes/No)
					(2) - (1)			(3)-(4)-(5)		(1)*.50	(2)-(4)-(5)	(9) - (8)	
Suriname	NDR		NDR	NDR				0.00					No
Togo	NDR		NDR	NDR				0.00					No
Tonga	NDR		NDR	NDR				0.00					No
Vanuatu	NDR		NDR	NDR				0.00					No

#### ANNEX II HALON ANALYSIS Column Number Status **Latest Consumption (1) (2)** (3) **(4)** (5) **(7)** (8) (9) (10)(11)(12)(6) Country Year Source Halon Latest Amount Phase-out Phase-out **Future** ODS 50% **Balance** Additional Halon Received baseline needed to approved but in projects phase-out phase-out halon banking assistance confrom phase-out sumption submitted needed to in draft reduction needed to from Fund meet the not yet approved approved freeze implemented to the 32nd meet the 2001 meet 50% (Yes/No) (Yes/No) and (as of August Meeting freeze business submitted halon 2000) plan projects reduction (2) - (1)(3)-(4)-(5)(1)\*.50(2)-(4)-(5)(9) - (8)Countries assumed to be in compliance with the freeze Algeria Non-LVC 1999 A7 237.3 195 0.00 118.65 195 76.35 No Yes LVC 1999 A7 0.3 0 0 0.00 0.15 -0.15 No No Antigua and Barbuda 0 0 Non-LVC 1999 A7 401.1 0 200 200.55 -200 -400.55 Yes Argentina Yes Bahrain LVC 1999 CP 39.8 17.5 0.00 19.9 17.5 -2.4 No No LVC 1999 A7 3.9 0.00 1.95 -1.95 No Benin 0 0 0 No 21.3 3 -7.65 Yes Brazil Non-LVC 1999 A7 0 0 0.00 10.65 3 Yes Burkina Faso LVC 1999 A7 5.3 0 0 0 0.00 2.65 0 -2.65 No No Non-LVC 1999 CP 8.5 0.00 4.25 -4.25 No Chile 0 0 0 0 No -93.85 No Colombia Non-LVC 1999 A7 187.7 0 0.00 93.85 No LVC 2.5 2.5 No 1999 A7 5 0.0 0.00 No Congo 5 0 5 LVC 1999 CP 17.3 0.00 8.65 -5.65 No No Croatia 3 Ecuador LVC 1999 A7 5.5 0 0 0.00 2.75 -2.75 No Yes LVC 0 0 -0.35 No El Salvador 1999 A7 0.7 0 0.00 0.35 No Ethiopia LVC 1998 A7 1.1 0 0 0 0.00 0.55 0 -0.55 No No LVC 1999 A7 0.2 0 0 0.00 0.1 -0.1 No Guatemala 0 0 No LVC 1999 A7 8.6 0.1 0 0.00 4.3 0.1 -4.2 No No Guinea 202 India Non-LVC 1998 A7 448.4 1,306.10 1,027.60 224.2 -2131.7 -2355.9 No Yes Indonesia Non-LVC 1999 A7 354 0 0 972 0 177 -972 -1149 Yes Yes LVC 1999 A7 0 0.00 0.5 -0.5 No No Jamaica LVC 1999 Kenya A7 5.3 0 0 0.00 2.65 0 -2.65 No No Non-LVC 1999 0 0.00 -1.5 No Kuwait A7 0 1.5 No Lesotho LVC 1998 A7 0.2 0 0 0.00 0.1 0 -0.1 No No

							ANNEX II	[							
						HAI	LON ANAL	YSIS							
Column Number	Status	Latest Con	sumption	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Country		Year	Source	Halon baseline	Latest con-	Amount needed to	Phase-out approved but	Phase-out in projects	Future phase-out	ODS phase-out	50% halon	Balance from	Additional phase-out needed to	Halon banking	Received assistance from Fund
					sumption	meet the freeze	not yet implemented (as of August 2000)	submitted to the 32nd Meeting	needed to meet the freeze	in draft 2001 business plan	reduction	approved and submitted projects	meet 50% halon reduction	approved (Yes/No)	(Yes/No)
						(2) - (1)			(3)-(4)-(5)		(1)*.50	(2)-(4)-(5)	(9) - (8)		
Libya	Non-LVC	1997	A7	633.1	586.5	0	0		0.00		316.55	586.5	269.95		No
Macedonia	LVC	1999	A7	32.1	0	0	0		0.00		16.05	0	-16.05		No
Malaysia	Non-LVC	1999	A7	8	0	0	0		0.00		4	0		No	Yes
Moldova	LVC	1999	A7	0.4	0	0	0		0.00		0.2	0	-0.2	No	No
Morocco	Non-LVC	1998	A7	7	0	0	0		0.00		3.5			No	Yes
Namibia	LVC	1999	CP	8.3	7.67	0	0		0.00		4.15	7.67	3.52	No	No
Nepal	LVC	1998	A7	2	0	0	0		0.00		1	0	-1	No	No
Philippines	Non-LVC	1999	CP	103.9	46.8	0	77		0		51.95	-30.2	-82.15	No	Yes
Qatar	LVC	1998	A7	10.6	3	0	0		0.00		5.3			No	No
Romania	Non-LVC	1999	A7	3.5	0	0	0		0.00		1.75	0	-1.75	No	No
Sudan	LVC	1999	A7	2	0	0	0		0.00		1	0	-1	No	No
Syria	Non-LVC	1999	CP	416.9	412.6	0	0		0.00		208.45	412.6	204.15	Yes	Yes
Trinidad and Tobago	LVC	1999	A7	46.6	5	0	0		0.00		23.3	5	-18.3	No	No
Turkey	Non-LVC	1999	A7	141	0	0	0		0.00	800	70.5	0	-70.5	No	Yes
Zimbabwe	LVC	1999	A7	1.5	0	0	0		0.00		0.75	0	-0.75	No	No
Countries that could achi	eved the freeze	e compliance	by the end	of 2002											
Egypt	Non-LVC	1999	A7	705	810	105.0	0	754	0		352.5	56	-296.5	No	Yes
Jordan	Non-LVC	1999	A7	210	255	45.0					105	-166.8	-271.8		Yes
Thailand	Non-LVC	1999	A7	271.7	500	228.3	0	392.60	0		135.85	107.401	-28.449	Yes	Yes
Countries may not achiev	ed freeze comp	pliance by the	e end of 20	02			1		1					1	1
Botswana	LVC	1997	A7	5.2	9	3.8	0		3.80		2.6	9	6.4	No	No
Cameroon	Non-LVC	1999	A7	2.4	8.1	5.7	0		5.70		1.2	8.1	6.9	No	No

#### ANNEX II **HALON ANALYSIS** Column Number **Latest Consumption (2)** (10)(11)(12) Status **(1)** (3) **(4) (5) (6) (7)** (8) (9) Phase-out Additional Country Year Source Halon Latest Amount Phase-out **Future** ODS 50% **Balance** Halon Received needed to approved but in projects halon banking assistance baseline conphase-out phase-out from phase-out sumption meet the not yet submitted needed to in draft reduction approved needed to approved from Fund to the 32nd 2001 meet 50% (Yes/No) (Yes/No) freeze implemented meet the and Meeting (as of August business submitted halon freeze 2000) plan projects reduction (2) - (1)(1)\*.50(2)-(4)-(5) (3)-(4)-(5)(9) - (8)LVC 6.4 42.2 No Cyprus 1998 A7 12.8 48.6 35.8 35.80 48.6 No Non-LVC 1999 CP 0 1.80 2.1 3.9 No Dominican Republic 4.2 6 1.8 No 0.15 No Guyana LVC 1999 A7 0.1 0.2 0.1 0 0.10 0.05 0.2 No Non-LVC 1998 A7 1.420 3,170 1,750.0 0 1,750.00 710 3170 2460 Yes Yes Iran 1999 124.6 141 141 78.7 No Mexico Non-LVC A7 16.4 0 16.40 213 62.3 Yes 142.65 Non-LVC 1998 A7 285.3 472 186.7 0 186.70 472 329.35 No Nigeria No Pakistan Non-LVC 1998 A7 14.2 15 0.8 0 0.80 15 7.9 No No 7.1 Tanzania LVC 1999 A7 0.3 10.7 10.4 0 10.40 0.15 10.7 10.55 No No 104.3 45.70 52.15 97.85 No Non-LVC 1999 A7 150 45.7 150 No Tunisia 0 Non-LVC 1999 A7 37.1 76 38.9 38.90 18.55 76 57.45 No Yes Vietnam Yemen Non-LVC 1998 A7 2.8 4.2 1.4 0 1.40 1.4 4.2 2.8 No No Non-LVC 1998 A7 3.8 19.5 15.7 15.70 1.9 19.5 17.6 No No Yugoslavia Countries with No Consumption Bahamas LVC 1998 A7 0.00 0 0 No No Bangladesh Non-LVC 1997 A7 0 0 0.00 0 No No Barbados LVC 1999 A7 0 0.00 0 No No LVC 0 Belize 1998 A7 0 0.00 No No Bolivia LVC 1999 Α7 0 0.00 No No LVC 1999 A7 0 0.00 0 Brunei Darussalem No No LVC 1998 0 0 0.00 0 Burundi Α7 No No LVC 1999 0 Central African Republic A7 0 0 0.00 No No LVC Chad 1998 A7 0 0 0.00 0 No No LVC 1999 A7 0 0 0.00 0 No No Comoros

# HALON ANALYSIS

Column Number	Status	Latest Con	sumption	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Country		Year	Source	Halon baseline	Latest con- sumption	Amount needed to meet the freeze	Phase-out approved but not yet implemented (as of August 2000)	Phase-out in projects submitted to the 32nd Meeting	Future phase-out needed to meet the freeze	ODS phase-out in draft 2001 business plan	50% halon reduction	Balance from approved and submitted projects	Additional phase-out needed to meet 50% halon reduction	Halon banking approved (Yes/No)	Received assistance from Fund (Yes/No)
						(2) - (1)			(3)-(4)-(5)		(1)*.50	(2)-(4)-(5)	(9) - (8)		
Costa Rica	LVC	1999	A7	0	0				0.00			0		No	No
Cote D'Ivoire	LVC	1999	A7	0	0				0.00			0		No	No
Cuba	Non-LVC	1999	A7	0	0				0.00			0		No	No
Dominica	LVC	1999	A7	0	0				0.00			0		No	No
Fiji	LVC	1998	A7	0	0				0.00			0		No	No
Gabon	LVC	1999	A7	0	0				0.00			0		No	No
Gambia	LVC	1999	A7	0	0				0.00			0		No	No
Georgia	LVC	1999	CP	0	0				0.00			0		No	No
Ghana	LVC	1999	A7	0	0				0.00			0		No	No
Grenada	LVC	1998	A7	0	0				0.00			0		No	No
Honduras	LVC	1999	A7	0	0				0.00			0		No	No
Kiribati	LVC	1998	A7	0	0				0.00			0		No	No
Korea, DPR	Non-LVC	1999	A7	0	0				0.00			0		No	No
Lebanon	Non-LVC	1999	CP	0	0				0.00			0		No	No
Malawi	LVC	1999	A7	0	0				0.00			0		No	No
Madagascar	LVC	1999	A7	0	0				0.00			0		No	No
Maldives	LVC	1998	A7	0	0				0.00			0		No	No
Mali	LVC	1998	A7	0	0				0.00			0		No	No
Mauritania	LVC	1999	A7	0	0				0.00			0		No	No
Mauritius	LVC	1999	A7	0	0				0.00			0		No	No
Mongolia	LVC	1999	A7	0	0				0.00			0		No	No
Myanmar	LVC	1999	A7	0	0				0.00			0		No	No
Nicaragua	LVC	1999	CP	0	0				0.00			0		No	No
Niger	LVC	1999	A7	0	0				0.00			0		No	No

# HALON ANALYSIS

Column Number	Status	Latest Con	sumption	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Country		Year	Source	Halon baseline	Latest con- sumption	Amount needed to meet the freeze	Phase-out approved but not yet implemented (as of August 2000)	Phase-out in projects submitted to the 32nd Meeting	Future phase-out needed to meet the freeze	ODS phase-out in draft 2001 business plan	50% halon reduction	Balance from approved and submitted projects	Additional phase-out needed to meet 50% halon reduction	Halon banking approved (Yes/No)	Received assistance from Fund (Yes/No)
						(2) - (1)			(3)-(4)-(5)		(1)*.50	(2)-(4)-(5)	(9) - (8)		
Panama	LVC	1999	A7	0	0				0.00			0		No	Yes
Papua New Guinea	LVC	1998	A7	0	0				0.00			0		No	No
Paraguay	Non-LVC	1999	A7	0	0				0.00			0		No	No
Peru	LVC	1999	A7	0	0				0.00			0		No	No
Saint Kitts and Nevis	LVC	1997	A7	0	0				0.00			0		No	No
Saint Lucia	LVC	1998	A7	0	0				0.00			0		No	No
Saint Vincent	LVC	1998	A7	0	0				0.00			0		No	No
Samoa	LVC	1999	A7	0	0				0.00			0		No	No
Senegal	LVC	1999	A7	0	0				0.00			0		No	No
Seychelles	LVC	1999	A7	0	0				0.00			0		No	No
Slovenia	LVC	1999	A7	0	0				0.00			0		No	No
Solomon Islands	LVC	1998	A7	0	0				0.00			0		No	No
South Africa	Non-LVC	1999	A7	0	0				0.00			0		No	No
Sri Lanka	LVC	1999	A7	0	0				0.00			0		No	No
Swaziland	LVC	1999	A7	0	0				0.00			0		No	No
Tuvalu	LVC	1999	A7	0	0				0.00			0		No	No
Uganda	LVC	1999	A7	0	0				0.00			0		No	No
Uruguay	LVC	1999	A7	0	0				0.00			0		No	No
Venezuela	Non-LVC	1999	A7	0	0				0.00			0		Yes	Yes
Zambia	LVC	1998	A7	0	0				0.00			0		No	No
Countries with No D-4- I	Damantad														
Countries with No Data I	*		1	MDP	MDD		T	1	0.00	ı	ı			NT-	Int-
Albania	NDR			NDR	NDR				0.00					No	No
Angola	NDR			NDR	NDR				0.00					No	No

# HALON ANALYSIS

Column Number	Status	Latest Cons	sumption	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Country		Year	Source	Halon baseline	Latest con- sumption	Amount needed to meet the freeze	Phase-out approved but not yet implemented (as of August 2000)	Phase-out in projects submitted to the 32nd Meeting	Future phase-out needed to meet the freeze	ODS phase-out in draft 2001 business plan	50% halon reduction	Balance from approved and submitted projects	Additional phase-out needed to meet 50% halon reduction	Halon banking approved (Yes/No)	Received assistance from Fun (Yes/No)
						(2) - (1)			(3)-(4)-(5)		(1)*.50	(2)-(4)-(5)	(9) - (8)		
Ü	LVC	1998	A7	NDR	0				0.00			0		No	No
Congo, DR	NDR			NDR	NDR				0.00					No	No
Djibouti 1	NDR			NDR	NDR				0.00					No	No
Haiti 1	NDR			NDR	NDR				0.00					No	No
Lao People's Democratic Nepublic	NDR			NDR	NDR				0.00					No	No
	NDR			NDR	NDR				0.00					No	No
Marshall Islands	NDR			NDR	NDR				0.00					No	No
Micronesia 1	NDR			NDR	NDR				0.00					No	No
Mozambique I	LVC	1996	A7	NDR	1.4				0.00			1.4		No	No
Oman 1	NDR			NDR	NDR				0.00					No	No
Suriname 1	NDR			NDR	NDR				0.00					No	No
Годо	NDR			NDR	NDR				0.00					No	No
	NDR			NDR	NDR				0.00					No	No
	NDR			NDR	NDR				0.00					No	No

						A	NNEX III							
					ME	THYL B	ROMIDE A	ANALYSIS						
Column Number	Status	Latest Co	nsumption	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Country		Year	Source	Methyl bromide baseline	Latest con- sumption	Amount needed to meet the freeze	Phase-out approved but not yet implemented (as of August 2000)	Phase-out in projects submitted to the 32nd Meeting	Future phase-out needed to meet the freeze	ODS phase-out in draft 2001 business plan	Allowable consumption in 2005 after 20% reduction	Balance from approved and submitted projects	Additional phase-out needed to meet 20% methyl bromide reduction	Received assistance from Fund (Yes/No)
						(2) - (1)			(3)-(4)-(5)		(1)*.80	(2)-(4)-(5)	(9)-(8)	
COUNTRIES THAT HA	AVE RATIFIEI	THE COP	ENHAGEN	AMENDME	NT		T		<u> </u>	1	1 1		<u> </u>	1
Countries assumed to be	in compliance	with the free	70											
Brazil	Non-LVC	1999	A7	711.6	275.5	0	84.4		0		569.28	191.10	-378.18	Yes
Chile	Non-LVC	1999	CP	212.5	131.14	0		76.2	0	40		54.94	-115.06	
Colombia	Non-LVC	1999	A7	110.1	0	0	0		0.00		88.08	0.00		
Indonesia	Non-LVC	1999	A7	135.6	0	0	0		0.00		108.48	0.00	-108.48	Yes
Jordan	Non-LVC	1999	A7	176.25	88.8	0	180		0		141	-91.20	-232.2	Yes
Kenya	LVC	1999	A7	217.5	60	0	0		0.00		174	60.00	-114	Yes
Lebanon	Non-LVC	1999	CP	152.38	139.31	0	0		0.00	82	121.904	139.31	17.41	Yes
Malaysia	Non-LVC	1999	A7	14.6	0	0	0		0.00		11.68	0.00	-11.68	Yes
Mexico	Non-LVC	1999	A7	1,130.80	839.40	0	0		0.00		904.64	839.40	-65.24	Yes
Pakistan	Non-LVC	1998	A7	13.95	0	0	0		0.00		11.16	0.00	-11.16	Yes
Panama	LVC	1999	A7	0.09	0	0	0		0.00		0.072	0.00	-0.072	No
Senegal	LVC	1999	A7	53.16	0.7	0	0.7		0		42.528	0.00	-42.528	Yes
Slovenia	LVC	1999	A7	0.15	0	0	0		0.00		0.12	0.00	-0.12	No
Syria	Non-LVC	1999	CP	188.5	89.67	0	0	175	0		150.8	-85.33	-236.13	Yes
Tunisia	Non-LVC	1999	A7	8.25	7.8	0	0		0.00	3.6	6.6	7.80	1.2	Yes Yes
Turkey	Non-LVC	1999	A7	479.7	342.6	0	80		0	266		262.60	-121.16	Yes
Venezuela	Non-LVC	1999	A7	10.28		0	0		0.00		8.224	0.00		
Vietnam	Non-LVC	1999	A7	136.5	57	0	0		0.00		109.2	57.00	-52.2	Yes
Zimbabwe	LVC	1999	A7	556.95	490.3	0	0		0.00		445.56	490.30	44.74	Yes
Countries that could ach	nieved the freeze	e compliance	by the end	of 2002										

# ANNEX III METHYL BROMIDE ANALYSIS

Column Number	Status	Latest Co	nsumption	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Country		Year	Source	Methyl bromide baseline	Latest con- sumption	Amount needed to meet the freeze	Phase-out approved but not yet implemented (as of August 2000)	Phase-out in projects submitted to the 32nd Meeting	Future phase-out needed to meet the freeze	ODS phase-out in draft 2001 business plan	Allowable consumption in 2005 after 20% reduction	Balance from approved and submitted projects	Additional phase-out needed to meet 20% methyl bromide reduction	Received assistance from Fund (Yes/No)
						(2) - (1)			(3)-(4)-(5)		(1)*.80	(2)-(4)-(5)	(9)-(8)	
Argentina	Non-LVC	1999	A7	411.3	468	56.70			0	70		137.00	-192.04	
Cuba	Non-LVC	1999	A7	50.47	62.1	11.63	48		0		40.376	14.10	-26.276	
Iran	Non-LVC	1998	A7	35.25	42	6.75	12.4		0		28.2	29.60		Yes
Macedonia	LVC	1999	A7	12.2	27.2	15.00	0		0		9.76	-21.20	-30.96	
Malawi	LVC	1999	A7	112.7	129	16.30			0	33		-3.00	-93.16	
Morocco	Non-LVC	1998	A7	695.9	959.4	263.50	61	259	0	390	556.72	639.40	82.68	Yes
Peru	LVC	1999	A7	1.28	3.1	1.82	4		0		1.024	-0.90	-1.924	Yes
Sri Lanka	LVC	1999	A7	4.08	6.5	2.42	3.9		0		3.264	2.60	-0.664	Yes
Countries may not achiev	ved freeze comp	l oliance by th	e end of 200	12										
Algeria	Non-LVC	1999	A7	4.7	6	1.30	0		1.30		3.76	6.00	2.24	Yes
Bahamas	LVC	1998	A7	0.15	0.6	0.45	0		0.45		0.12	0.60	0.48	No
Barbados	LVC	1999	A7	0.08	3.3	3.22	0		3.22		0.064	3.30	3.236	No
Benin	LVC	1999	A7	0	0.7	0.70	0		0.70		0	0.70	0.7	No
Cameroon	Non-LVC	1999	A7	18.1	25.5	7.40	0		7.40		14.48	25.50	11.02	Yes
Costa Rica	LVC	1999	A7	434.25	567.6	133.35	0		133.35		347.4	567.60	220.2	Yes
Croatia	LVC	1999	CP	15.69	16.11	0.42	0		0.42	18	12.552	16.11	3.558	Yes
Ecuador	LVC	1999	A7	66.23	122.4	56.17	0		56.17	60	52.984	122.40	69.416	Yes
Egypt	Non-LVC	1999	A7	238.1	409.2	171.10	0		171.10		190.48	409.20	218.72	Yes
Guyana	LVC	1999	A7	1.39	1.5	0.11	0		0.11		1.112	1.50	0.388	No
Jamaica	LVC	1999	A7	4.9	7.1	2.20	0		2.20		3.92	7.10	3.18	Yes
Mauritius	LVC	1999	A7	0.09	0.4	0.31	0		0.31		0.072	0.40	0.328	No
Nicaragua	LVC	1999	CP	0.42	2.09	1.67	0		1.67		0.336	2.09	1.754	No
Thailand	Non-LVC	1999	A7	164.9	172.2	7.30	0		7.30		131.92	172.20	40.28	Yes
Trinidad and Tobago	LVC	1999	A7	1.7	2.1	0.40	0		0.40		1.36	2.10	0.74	No

# ANNEX III

# METHYL BROMIDE ANALYSIS

Column Number	Status	Latest Co	nsumption	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Country		Year	Source	Methyl bromide baseline	Latest con- sumption	Amount needed to meet the freeze	Phase-out approved but not yet implemented (as of August 2000)	Phase-out in projects submitted to the 32nd Meeting	Future phase-out needed to meet the freeze	ODS phase-out in draft 2001 business plan	Allowable consumption in 2005 after 20% reduction	Balance from approved and submitted projects	Additional phase-out needed to meet 20% methyl bromide reduction	Received assistance from Fund (Yes/No)
						(2) - (1)			(3)-(4)-(5)		(1)*.80	(2)-(4)-(5)	(9)-(8)	
Uganda	LVC	1999	A7	1.87	2.4		0		0.53	4	1.470	2.40	0.904	
Uruguay	LVC	1999	A7	11.2	21.7	10.50	0		10.50	40	8.96	21.70	12.74	Yes
Countries with No Const	 ımption													
Antigua and Barbuda	LVC	1999	A7	0	0	0.00	0		0.00		0	0.00	0	No
Belize	LVC	1998	A7	0	0	0.00	0		0.00		0	0.00	0	No
Bolivia	LVC	1999	A7	0	0	0.00	0		0.00	1	0	0.00	0	Yes
Burkina Faso	LVC	1999	A7	0	0	0.00	0		0.00		0	0.00	0	No
Grenada	LVC	1998	A7	0	0	0.00	0		0.00		0	0.00	0	No
Kuwait	Non-LVC	1999	A7	0	0	0.00	0		0.00		0	0.00	0	No
Mongolia	LVC	1999	A7	0	0	0.00	0		0.00		0	0.00	0	No
Niger	LVC	1999	A7	0	0	0.00	0		0.00		0	0.00	0	No
Qatar	LVC	1998	A7	0	0	0.00	0		0.00		0	0.00	0	No
Saint Lucia	LVC	1998	A7	0	0	0.00	0		0.00		0	0.00	0	No
Saint Vincent	LVC	1998	A7	0	0	0.00	0		0.00		0	0.00	0	No
Seychelles	LVC	1999	A7	0	0	0.00	0		0.00		0	0.00	0	No
Solomon Islands	LVC	1998	A7	0	0	0.00	0		0.00		0	0.00	0	No
Tuvalu	LVC	1999	A7	0	0	0.00	0		0.00		0	0.00	0	No
Countries with No Data	 Reported													
Botswana	LVC	1997	A7	NDR	0.4				0.00			0.40		Yes
Congo, DR	NDR			NDR	NDR				0.00					No
Djibouti	NDR	1		NDR	NDR				0.00					No
Fiji	LVC	1998	A7	NDR	0				0.00			0.00		No
Georgia	LVC	1999	CP	NDR	0				0.00			0.00		Yes

#### ANNEX III METHYL BROMIDE ANALYSIS Column Number **Latest Consumption** (8) (9) (10)(11) Status **(1)** (2) (3) **(4) (5)** (6) **(7)** Methyl ODS Allowable Country Year Source Latest Amount Phase-out Phase-out in **Future Balance** Additional Received bromide needed to approved but projects consumption from assistance conphase-out phase-out phase-out baseline sumption meet the not vet submitted to needed to in draft in 2005 after approved needed to from Fund 20% implemented the 32nd meet the 2001 meet 20% (Yes/No) freeze and reduction methyl (as of August Meeting freeze business submitted 2000) projects bromide plan reduction (1)\*.80(2) - (1)(3)-(4)-(5)(2)-(4)-(5)(9)-(8)Non-LVC 1999 A7 0.00 0.00 Korea, D. R. NDR Yes NDR NDR NDR 0.00 Liberia No Marshall Islands NDR NDR NDR 0.00 No Mozambique LVC 1996 A7 NDR 2.7 0.00 2.70 Yes NDR NDR NDR 0.00 Oman No LVC 1997 A7 NDR 0.3 0.00 0.30 No Saint Kitts and Nevis NDR NDR NDR 0.00 Togo No Vanuatu NDR NDR NDR 0.00 No COUNTRIES THAT HAVE NOT RATIFIED THE COPENHAGEN AMENDMENT Countries assumed to be in compliance with the freeze Cote D'Ivoire LVC 1999 0.00 6.512 0.00 -6.51 Yes A7 8.14 0 0 Dominican Republic Non-LVC 1999 CP 104.23 77.4 0.00 83.384 77.40 -5.98 Yes 0 LVC El Salvador 1999 A7 1.39 0 0 0 0.00 1.112 0.00 -1.11 No India Non-LVC 1998 A7 -2.82 -3.8 0.00 -2.256 -3.80 -1.54 No 0 LVC 1998 A7 0.00 0.104 0.00 -0.10 No Lesotho 0.13 LVC Moldova 1999 A7 6.97 0.00 5.576 0.00 -5.58 Yes -2.70 No Myanmar LVC 1999 A7 3.38 0 0 0.00 2.704 0.00 LVC 1998 A7 0.33 0 0 0.00 0.264 0.00 -0.26 No Papua New Guinea Non-LVC 1999 A7 0.85 0.4 0.00 0.40 -0.28 No Paraguay 0 0.68 Philippines Non-LVC 1999 CP 8.01 0 0 0.00 6.408 0.00 -6.41 Yes Romania Non-LVC 1999 A7 111.49 33.6 0.00 89.192 33.60 -55.59 Yes 0 0 1998 A7 Yemen Non-LVC 1.05 0.6 0 0.00 0.84 0.60 -0.24 No

0.00

0.00 No

#### ANNEX III METHYL BROMIDE ANALYSIS Column Number **Latest Consumption** (10)(11) Status **(1)** (2) (3) (4) **(5)** (6) **(7)** (8) (9)ODS Allowable Country Year Source Methyl Latest Amount Phase-out Phase-out in **Future Balance** Additional Received bromide projects consumption assistance needed to approved but phase-out phase-out from phase-out conbaseline sumption meet the not vet submitted to needed to in draft in 2005 after approved needed to from Fund implemented the 32nd meet the 2001 20% meet 20% (Yes/No) freeze and reduction (as of August Meeting freeze business submitted methyl 2000) projects bromide plan reduction (1)\*.80(2) - (1)(3)-(4)-(5)(2)-(4)-(5)(9)-(8)LVC 1999 0.89 0.712 0.09 No Congo A7 0.8 0 0.00 0.80 Non-LVC 1999 A7 602.70 588.10 0.00 482.16 588.10 105.94 No South Africa 0 LVC 1999 A7 Sudan 0.00 0 0.00 2.4 3.00 0.60 No Countries may not achieved freeze compliance by the end of 2002 1999 1,102.05 1,928.40 1,046.76 Yes China Non-LVC CP 2,018.40 916.35 90 826.35 881.64 LVC 1998 A7 15.6 6.00 12.48 Ethiopia 21.6 6.00 21.60 9.12 Yes Ghana LVC 1999 A7 4.5 4.50 0 4.50 4.50 4.50 No LVC 1999 A7 514.6 113.90 0 113.90 514.60 194.04 Yes Guatemala 400.7 320.56 LVC 1999 A7 259.43 292.1 32.67 32.67 207.54 292.10 84.56 No Honduras 0 LVC 1999 A7 2.6 3.4 0.80 0 0.80 2.08 3.40 1.32 No Madagascar Swaziland LVC 1999 A7 0.56 0.6 0.04 0 0.04 0.448 0.60 0.15 No Zambia LVC 1998 A7 29.34 29.5 0.16 0.16 23.472 29.50 6.03 Yes 0 **Countries with No Consumption** 0.00 No Bahrain LVC 1999 CP 0.00 0 0.00 0 0.00 Brunei Darussalam LVC 1999 A7 0 0.00 0 0.00 0 0.00 0.00 No Burundi LVC 1998 A7 0 0.00 0 0.00 0 0.00 0.00 No Chad LVC 1998 A7 0 0 0.00 0 0.00 0 0.00 0.00 No LVC 1999 A7 0.00 0.00 0.00 0.00 No Comoros 0 0 0 LVC A7 0.00 0.00 1999 0 0.00 0.00 No Dominica LVC Gambia 1999 A7 0.00 0 0.00 0.00 0.00 No LVC 1998 A7 0.00 0 0.00 0.00 0.00 No Kiribati Mauritania LVC 1999 A7 0 0 0.00 0 0.00 0 0.00 0.00 No

0.00

0

0.00

LVC

Nepal

1998

A7

NDR

Non-LVC

1998

A7

Tonga

Yugoslavia

NDR

NDR

NDR

#### ANNEX III METHYL BROMIDE ANALYSIS Column Number **Latest Consumption** (1) (2) (8) (9) (10) (11) Status (3) **(4) (5)** (6) **(7)** Methyl ODS Allowable Country Year Source Latest Amount Phase-out Phase-out in **Future Balance** Additional Received bromide needed to approved but projects phase-out consumption from phase-out assistance conphase-out baseline sumption meet the not yet submitted to needed to in draft in 2005 after approved needed to from Fund 2001 20% (Yes/No) freeze implemented the 32nd meet the meet 20% and (as of August Meeting reduction methyl freeze business submitted 2000) plan projects bromide reduction (1)\*.80(2) - (1)(3)-(4)-(5)(2)-(4)-(5)(9)-(8)LVC 1999 A7 0.00 0.00 0.00 0.00 No Samoa 0 LVC 1999 A7 0.00 0 0.00 0 0.00 0.00 No Tanzania 0 Countries with No Data Reported Albania NDR NDR NDR 0.00 No NDR NDR NDR 0.00 No Angola Bangladesh Non-LVC 1997 A7 NDR 0.00 0.00 No Bosnia and Herzegovina LVC 1998 A7 NDR 4.2 0.00 4.20 No Central African Republic LVC 1999 A7 NDR 0 0.00 0.00 0.00 No LVC 1998 A7 NDR 0 0.00 0.00 No Cyprus Gabon LVC 1999 A7 NDR 0 0.00 0.00 No LVC 0.00 No 1999 A7 NDR 0 0.00 Guinea Haiti NDR NDR 0.00 **NDR** No Lao People's Democratic NDR NDR NDR 0.00 No Republic Non-LVC 1997 A7 NDR 0.00 0.00 Libya 0 No 1998 A7 0.00 Maldives LVC NDR 0 0.00 No Mali LVC 1998 A7 NDR 0 0.00 0.00 No Micronesia NDR NDR NDR 0.00 No Namibia LVC 1999 CP **NDR** 0.00 0.00 No Nigeria Non-LVC 1998 A7 NDR 2 0.00 2.00 No Suriname NDR NDR NDR 0.00 No

0.00

0.00

No

No

0.00

# Annex IV-VI

# GRAPHIC PRESENTATION OF RESULTS OF ANALYSIS: CFCs

(This annex is found on the Fund Secretariat's web site (www.unmfs.org).

#### **PART II:**

# IMPLEMENTATION OF THE MONTREAL PROTOCOL THROUGH GOVERNMENT POLICY MEASURES

A Status Report on the Implementation by Article 5 Countries

#### Introduction

- 1. The Secretariat of the Multilateral Fund, as part of its contributions to the 24<sup>th</sup> meeting of the Implementation Committee in July 2000 presented document UNEP/OzL.ExCom/31/inf.2 under item 5 of the meeting agenda "Evaluation of compliance prospects of developing countries". The document was prepared to assist the Executive Committee at its informal meeting preceding its 31<sup>st</sup> Meeting with the discussion on the strategic planning of the Multilateral Fund. It was based on an analysis of data submitted by Article 5 countries in fulfillment of Article 7 of the Montreal Protocol, reports on the progress in the implementation of country programmes and progress reports submitted annually by the implementing agencies. The document did not address the impact of policy measures enacted by Article 5 countries on the status of compliance with the early control measures of the Protocol. The Implementation Committee thus requested that the Fund Secretariat present to its next meeting an analysis of policies adopted by Article 5 countries.
- 2. Subsequently the Secretariat of the Multilateral Fund has revised the document it had submitted to the 31<sup>st</sup> Meeting of the Executive Committee and the 24<sup>th</sup> Meeting of the Implementation Committee based on data submitted since July 2000. The revised document also includes a section on policies enacted by Article 5 countries.

# **Objectives of the Analysis**

- 3. (a) Examine the impact of Fund assistance and the potential of a country to implement compliance with the Montreal Protocol.
  - (b) Examine the impact of the enactment of policy controls and the potential of a country to implement compliance with the Montreal Protocol.
  - (c) Examine the combined effect of Fund assistance and policy controls on the implementation of compliance with the Montreal Protocol.

## Source of Data

# Report on the Implementation of the Country Programme

- 4. Article 5 countries are requested to report annually to the Executive Committee on the progress in the implementation of their country programmes. However, the compliance with this reporting requirement is not consistent. Therefore, in order to have a reasonably large number of countries included in this analysis, reports received by the Secretariat over a period of three years 1997-99 were examined. Out of the 95 countries, which are covered in the analysis provided in Part I of this document (UNEP/OzLPro/ExCom/32/38), 69 reports furnish the data needed for the analysis, and the other 26 countries either never reported on the implementation of country programmes during the 3 year period or the reports did not fulfil the reporting requirement and did not contain the data needed for the analysis.
- 5. The Report on the Implementation of the Country Programme consists of two sections: Section One contains data forms for import, export, consumption by sector and production of all the controlled substances. Apart from listing by substance, data is also requested by industry sectors.
- 6. Section Two is on Administrative and Support Actions under which countries provide updated information on the progress in implementing government policy controls; establishing institutions for management of ODS phase out; establishing procedures for certification of refrigeration service technicians; establishing channels for public information on ODS controls; and monitoring activities.
- 7. Under government policy controls, the status of implementation of four policy controls is monitored by requesting updates on these actions as compared to those proposed in the country programmes.

# Reports on Implementation of Institutional Strengthening Project

8. Institutional Strengthening projects are renewed every two years subject to a consideration by the Executive Committee of reports on the implementation of the previous phase, and as a result, the rate of compliance on reporting is better. Therefore a review of the reports received by the Secretariat is also done to supplement the data available from the country programme implementation reports, as pertinent.

## Results of the Analysis from Part I of the Document

9. Results from the analysis on the potential of countries in implementing the CFC freeze and other initial compliance targets in Part I is used as part of the data for the analysis.

#### **Indicators**

- 10. For this analysis, these indicators are used:
  - (a) Potential of implementing compliance with the Montreal Protocol is indicated by the ability of meeting the CFC freeze obligation in 1999/2000 and the CFC 50% reduction obligation in 2005.
  - (b) The assistance of the Multilateral Fund is indicated by the amount of ODS phase-out (expressed in ODP tonnes) funded till July 2000.
  - (c) The implementation of policy controls by a country is indicated by the status of implementation of four policy measures. These four measures are also used in the report on the implementation of country programmes to monitor progress in implementing policy controls by governments:
    - (i) General/special permit on the import ( production and export ) or sale of bulk of ODS;
    - (ii) General/special permit on the import (production and export ) or sale of products and equipment containing ODS;
    - (iii) Banning import or sale of bulk quantities of ODS;
    - (iv) Banning import or sale of ODS-containing products and equipment.

# Methodology

11. In examining the impact of Fund assistance and the potential of a country to implement the compliance, countries are categorized into five groups according to the amount of ODS phase-out funded and the data on the potential of implementing compliance by the country is provided alongside. The underlining assumption is that the greater the amount of ODS phase out funded, the greater is the potential of the country to implement the compliance. These five groups are:

Group I: with approvals above 3,000 tonnes/ODP

Group II: with approvals between 500 – 3,000 tonnes/ODP

Group III: with approvals between 200 – 500 tonnes/ODP

Group IV: with approvals between 20 - 200 tonnes/ODP

Group V: with approvals between 0 - 20 tonnes/ODP

The result is recorded in Table 1 in Annex I

12. In examining the impact of the enactment of policy measures and the potential of a country to implement compliance, the analysis groups countries into three categories according to the status of implementation by each country of the policy measures and this data is placed alongside the potential of the country in implementing

compliance. The underlining assumption is that enactment of the policy measures will enhance the potential of the country to implement the compliance. The three groups are:

- Group I: countries which reported having implemented at least one of the four policy measures in any one of the three years between 1997 and 1999
- Group II: countries which reported not having implemented any of the policy measures in any of the three years between 1997 and 1999
- Group III: countries which either did not submit any report in any of the years between 1997 and 1999 or did not submit report on implementation of the policy measures.

The result is recorded in Table 2 in Annex I.

- 13. In examining the combined effect of Fund assistance and policy controls on the potential of a country to implement the compliance, a linkage is sought between the amount of ODS phase-out funded and the status of implementing compliance of those countries which have implemented at least one policy measure. The underlying assumption is the greater the assistance from the Fund, the greater the potential of these countries which have enacted policy controls to be in compliance. Therefore, the analysis sorts those countries which have implemented at least one policy measure according to the five groups used in Table 1 of Annex I. And the result is recorded in Table 3 in Annex I.
- 14. Summaries of the statistics in the three tables in Annex I are provided in Annex II to facilitate analysis and understanding.

## **Limitations of the Analysis**

15. In undertaking the analysis, the Secretariat is aware of the following limitations.

#### Data availability

- 16. There are only a few countries which have reported data every year over the three year period covered in the analysis. Therefore, the analysis has to rely on data some time from only one of the 3 years available from the country, without knowing whether there has been changes since the time when the data was provided, and as a result, the data used in the analysis may not reflect the most recent situation in the country.
- 17. A considerable number of countries either never submitted any reports on the implementation of the country programme between 1997 and 1999 or did not report on the implementation of policy controls as required, which significantly limits the coverage of the analysis.

## The assessment of the impact of each variable on compliance

18. The implementation of compliance could be the result of a number of variables, including the assistance of the Multilateral Fund, the policy controls, the public environmental awareness, the market forces and others. By focusing on the two variables i.e. the Fund assistance and the policy controls, the Secretariat is fully aware of the other contributing factors. It is also aware that the attempt to assess separately the impact of one variable could be a limited representation of the real world where all the variables interact among each other.

#### **Observations**

Correlation between the Assistance of the Multilateral Fund and the Potential of Implementing Compliance

#### CFC freeze

19. In Table 1 of Annex II, there is an observable correlation between the amount of Fund assistance and the potential of a country to implement compliance with Montreal Protocol. Groups which have received a higher amount of Fund assistance show a higher rate of compliance.

#### 50% reduction in CFC

- 20. The same correlation is also observable with the 50% reduction compliance target, although Group I in this case does not show exactly the same consistency. Otherwise, the positive correlation indicates that higher Fund assistance is complemented by higher compliance rate for this target.
- 21. The marked decrease in the rate of potential compliance across all groups with the implementation 50% reduction of CFCs is expected given that projects which will impact on this target are in the early stage of development and implementation and will show the effect in the next few years.

# <u>Correlation between the Enactment of Policy Controls and the Potential of Implementing Compliance</u>

22. In Table 2 of Annex II, a clear correlation could be observed between the implementation of policy controls and the potential of implementing compliance. Both in the case of CFC freeze and the 50% reduction in CFCs, countries which have implemented at least one policy control perform better than the group of countries which have implemented no policy controls and the group of countries which have not reported data.

23. Similarly, the expected decrease in compliance rate is witnessed for the 50% CFCs reduction, across all groups.

<u>Combined Effect of Fund Assistance and Policy Controls on the Potential of</u> Implementing Compliance

24. Table 3 in Annex II shows the combined effect of Fund assistance and policy controls on the potential of countries to implement compliance. The analysis indicates:

CFC Freeze

25. For the implementation of the CFC freeze compliance, Table 3 shows a positive correlation between the Fund assistance and the compliance of those countries which have implemented at least one policy control. The higher the amount of ODS approvals funded, the greater will be the chance of the country to achieve compliance.

50% reduction in CFCs

26. For the 50% CFCs reduction target, Table 3 of Annex II shows no clear correlation between the level of Fund assistance and the potential of implementing compliance for countries which have implemented at least one policy measure.

#### **Conclusions**

- 27. The analysis of the Secretariat, bearing in mind its limitations, concludes the following:
  - (i) The Multilateral Fund has demonstrated its effectiveness over the past 10 years in assisting Article 5 countries in implementing the initial targets for the compliance with the Montreal Protocol. However there is considerable challenges ahead, first there are still 15 countries which do not show a good potential of achieving their CFC freeze target. Secondly implementing the 50% CFC reduction by 2005 calls for continued support by the Multilateral Fund and efforts of the Article 5 countries to make that goal achievable.
  - (ii) The enactment of policy measures by Article 5 country governments has played a significant role in the ability of the countries in implementing their compliance with the initial targets of the Montreal Protocol. It is expected to witness an enhanced role of these measures in the compliance period, with the emphasis moving to the phase out by small-users and the servicing sector.

# Annex I

Table 1
Fund Assistance and Potential of Implementing Compliance

Name of Countries	ODS phaseout approved (in ODP tonnes)*	Potential of compliance with CFC freeze**	Potential of compliance with CFC 50% reduction**
Group I with approvals above 3,00	  0 tonnes/ODP		reduction
China	67822.10	Yes	No
India	8064.22	Yes	Yes
Indonesia	6715.17	Yes	Yes
Brazil	5700.86	Yes	No
Malaysia	4859.55	Yes	Yes
Thailand	4116.97	Yes	Yes
Iran	3808.99	Yes	No
Argentina	3083.11	Yes	No
Mexico	3036.86	Yes	Yes
Turkey	3034.12	Yes	Yes
Group II with approvals between 5	500 - 3,000 tonnes/	ODP	
Egypt	2448.18	Yes	Yes
Syria	2087.35	Yes	Yes
Philippines	1662.10	Yes	No
Nigeria	1543.03	Yes	No
Algeria	1460.20	Yes	Yes
Pakistan	1282.60	Yes	Yes
Romania	1231.70	Yes	Yes
Jordan	1200.75	Yes	Yes
Venezuela	1095.01	Yes	Yes
Tunisia	961.50	Yes	Yes
Colombia	955.84	Yes	Yes
Lebanon	946.55	Yes	Yes
Morocco	809.25	Yes	Yes
Chile	799.56	Yes	Yes
Korea DPR	568.80	Yes	Yes
<b>Group III with approvals between</b>			T
Macedonia	465.14	Yes	Yes
Cameroon	427.00	Yes	Yes
Ecuador	417.11	Yes	Yes
Sudan	399.84	Yes	Yes

# **Fund Assistance and Potential of Implementing Compliance**

Name of Countries	ODS phaseout approved (in ODP tonnes)*	Potential of compliance with CFC freeze**	Potential of compliance with CFC 50% reduction**
Ghana	366.00	Yes	Yes
Tanzania	310.19	Yes	Yes
Vietnam	275.06	Yes	Yes
Peru	273.39	Yes	No
Zimbabwe	214.60	Yes	Yes
Kenya	213.26	Yes	No
Group IV with approvals between 2	20 - 200 tonnes/O	DP	
Dominican Republic	189.00	No	No
Cote d'Ivoire	164.70	Yes	Yes
Uruguay	163.35	Yes	No
Guatemala	159.30	Yes	No
Bangladesh	136.20	No	No
Cuba	108.20	Yes	No
Jamaica	108.20	No	No
Costa Rica	97.38	Yes	Yes
Panama	85.00	Yes	No
Sri Lanka	60.55	Yes	No
El Salvador	58.67	Yes	Yes
Paraguay	55.50	No	No
Yugoslavia	54.60	Yes	No
Mauritius	53.70	Yes	Yes
Croatia	50.60	Yes	No
Trinidad & Tobago	46.49	Yes	Yes
Malawi	40.20	Yes	Yes
Burkina Faso	38.48	Yes	No
Bahrain	37.53	Yes	No
Senegal	36.84	Yes	No
Nicaragua	22.35	Yes	Yes
Group V with approvals between (	0 - 20 tonnes/ODP		
Mali	19.50	Yes	No
Congo PRC	19.20	Yes	Yes
Bolivia	18.83	Yes	No
Gambia	18.75	Yes	Yes
Honduras	14.20	Yes	No
Barbados	14.00	Yes	No
Guyana	13.70	Yes	Yes

# **Fund Assistance and Potential of Implementing Compliance**

Name of Countries	ODS phaseout approved (in	Potential of compliance with	Potential of compliance with
	ODP tonnes)*	CFC freeze**	CFC 50%
			reduction**
Guinea	12.90	Yes	No
Benin	12.89	No	No
Bahamas	12.64	No	No
Gabon	12.20	Yes	Yes
Chad	8.80	Yes	No
Zambia	7.20	Yes	No
Central African Republic	5.83	Yes	Yes
Niger	5.80	No	No
Burundi	5.40	No	No
Namibia	5.40	Yes	No
Fiji	5.20	Yes	Yes
Swaziland	4.00	Yes	Yes
Georgia	3.70	Yes	No
Uganda	3.60	Yes	No
Lesotho	3.58	Yes	No
St Lucia	3.00	Yes	Yes
Mauritania	2.00	Yes	No
St Kitts & Nevis	2.00	Yes	Yes
Belize	1.70	No	No
Botswana	1.50	Yes	No
Grenada	1.20	Yes	Yes
Antigua & Barbuda	1.00	Yes	Yes
Comoros	0.00	Yes	No
Dominica	0.00	Yes	No
Ethiopia	0.00	No	No
Mongolia	0.00	No	No
Papua New Guinea	0.00	No	No
Qatar	0.00	No	No
Seychelles	0.00	Yes	Yes
St Vincent & Grenadines	0.00	No	No
Western Samoa	0.00	No	No
Yemen	0.00	Yes	No

<sup>\*</sup>Total ODP phaseout approved up till July 2000 from the Fund Secretariat's database \*\*Source of data: Part I of UNEP/OzL.Pro/ExCom/32/38

# Annex I

Table 2
Policy Controls and Potential of Implementing Compliance

Name of Countries	General/ import	-	l permi e of OD		General/ import contain		of OI	OS	Banning in	mport o		of bulk	ODS containing equipment				Potential of compliance with CFC freeze*	Potential of compliance with CFC 50% reduction*
	Proposed	Impl	lementa	tion	Proposed	Impl	ementa	ation	Proposed	Imp	lementa	ation	Proposed	Impl	ementa	tion		
	in CP	99	98	97	in CP	99	98	97	in CP	99	98	97	in CP	99	98	97		
Countries which hav	e impleme		t least	one p	olicy meas	ure												
Algeria	No	Yes	Yes	N/A	No	No	No	N/A	No	No	No	N/A	No	Yes	Yes	N/A	Yes	Yes
Argentina	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Bahrain	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No
Brazil	Yes	Yes	Data	N/A	Yes	Yes	Data	N/A	No	Yes	Data	N/A	No	Yes	Data	N/A	Yes	No
Burkina Faso	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	Yes	No
Cameroon	Yes	Yes	Data	Yes	No	Yes	Data	No	No	No	Data	No	Yes	Yes	Data	Yes	Yes	Yes
Chile	Yes	Data	Yes	Yes	Yes	Data	Yes	Yes	No	Data	No	No	No	Data	No	No	Yes	Yes
China	Yes	Yes	Data	Yes	Yes	Yes	Data	Yes	Yes	No	Data	No	Yes	Yes	Data	No	Yes	No
Colombia	Yes	Yes	Data	No	No	Yes	Data	No	Yes	No	Data	No	Yes	Yes	Data	No	Yes	Yes
Congo PRC	Yes	Yes	N/A	N/A	Yes	No	N/A	N/A	No	No	N/A	N/A	No	Yes	N/A	N/A	Yes	Yes
Costa Rica	Yes	Yes	Data	No	Yes	Yes	Data	No	Yes	Yes	Data	No	Yes	Yes	Data	No	Yes	Yes
Croatia	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No	Yes	Yes	Yes	No	Yes	No
Cuba	No	Yes	Yes	Data	No	Yes	Yes	Data	No	Yes	Yes	Data	No	Yes	Yes	Data	Yes	No
Dominican Republic	No	Yes	Data	N/A	Yes	Yes	Data	N/A	No	No	Data	N/A	Yes	Yes	Data	N/A	No	No
Egypt	Yes	Data	Data	Yes	No	Data	Data	No	No	Data	Data	No	No	Data	Data	Yes	Yes	Yes
Fiji	Yes	N/A	Yes	Data	Yes	N/A	Yes	Data	Yes	N/A	Yes	Data	Yes	N/A	Yes	Data	Yes	Yes
Gambia	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ghana	Yes	Yes	Yes	Data	No	No	No	Data	Yes	No	No	Data	Yes	No	No	Data	Yes	Yes
Guatemala	No	Yes	Yes	Data	No	No	No	Data	No	Yes	Yes	Data	No	Yes	Yes	Data	Yes	No
Guyana	Yes	Yes	Data	Data	Yes	Yes	Data	Data	No	Yes	Data	Data	No	Yes	Data	Data	Yes	Yes
India	No	N/A	Yes	Data	No	N/A	No	Data	No	N/A	No	Data	No	N/A	No	Data	Yes	Yes
Indonesia	Yes	Yes	N/A	N/A	No	No	N/A	N/A	Yes	No	N/A	N/A	No	Yes	N/A	N/A	Yes	Yes

Name of Countries	General/s import				General/ import contain	or sale	of OI	OS	Banning in	nport o		f bulk	Banning import or sale of ODS containing equipment				Potential of compliance with CFC freeze*	Potential of compliance with CFC 50% reduction*
	Proposed	Impl	ementa	tion	Proposed	Imple	ementa	ation	Proposed	Imp	lementa	tion	Proposed	Imple	ementa	ation		
	in CP	99	98	97	in CP	99	98	97	in CP	99	98	97	in CP	99	98	97		
Iran	No	Yes	Data	Data	No	Yes	Data	Data	No	Yes	Data	Data	No	Yes	Data	Data	Yes	No
Jamaica	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No	No
Jordan	Yes	Yes	N/A	Yes	No	Yes	N/A	No	Yes	No	N/A	No	Yes	Yes	N/A	No	Yes	Yes
Korea DPR	No	Yes	Yes	Data	No	Yes	Yes	Data	No	No	No	Data	No	No	No	Data	Yes	Yes
Lebanon	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Macedonia	Yes	Yes	Yes	Data	Yes	Yes	Yes	Data	No	No	No	Data	No	No	No	Data	Yes	Yes
Malawi	Yes	N/A	Yes	Yes	No	N/A	No	No	Yes	N/A	Yes	No	Yes	N/A	Yes	Yes	Yes	Yes
Malaysia	Yes	N/A	Yes	Yes	No	N/A	No	No	Yes	N/A	Yes	Yes	Yes	N/A	Yes	Yes	Yes	Yes
Mauritius	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Mexico	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Nicaragua	No	Yes	Data	N/A	No	No	Data	N/A	No	No	Data	N/A	No	No	Data	N/A	Yes	Yes
Niger	Yes	Yes	N/A	Data	No	No	N/A	Data	Yes	Yes	N/A	Data	No	No	N/A	Data	No	No
Pakistan	No	N/A	Yes	Data	No	N/A	No	Data	No	N/A	No	Data	No	N/A	No	Data	Yes	Yes
Panama	Yes	Yes	Data	Data	Yes	Yes	Data	Data	Yes	Yes	Data	Data	Yes	Yes	Data	Data	Yes	No
Philippines	Yes	Yes	Yes	Data	Yes	No	No	Data	Yes	Yes	Yes	Data	Yes	Yes	Yes	Data	Yes	No
Romania	Yes	N/A	Yes	Data	Yes	N/A	Yes	Data	No	N/A	No	Data	Yes	N/A	No	Data	Yes	Yes
Sri Lanka	Yes	Data	N/A	Yes	Yes	Data	N/A	Yes	Yes	Data	N/A	No	Yes	Data	N/A	No	Yes	No
Sudan	Yes	Data	Yes	Yes	Yes	Data	No	No	Yes	Data	No	No	Yes	Data	No	No	Yes	Yes
Syria	Yes	Yes	Yes	Data	Yes	Yes	Yes	Data	Yes	No	No	Data	Yes	Yes	Yes	Data	Yes	Yes
Thailand	Yes	Data	Yes	Yes	No	Data	No	No	Yes	Data	No	No	No	Data	Yes	Yes	Yes	Yes
Tunisia	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes
Turkey	No	Yes	Data	Data	No	Yes	Data	Data	No	Yes	Data	Data	No	Yes	Data	Data	Yes	Yes
Uganda	No	Data	Yes	Yes	No	Data	Yes	Yes	No	Data	No	No	No	Data	No	No	Yes	No
Uruguay	No	No	Data	No	No	No	Data	No	No	Yes	Data	Yes	No	No	Data	No	Yes	No
Venezuela	No	Yes	Data	Yes	No	Yes	Data	No	No	Yes	Data	No	Yes	Yes	Data	Yes	Yes	Yes
Vietnam	Yes	No	No	Data	Yes	Yes	No	Data	No	No	No	Data	No	Yes	Yes	Data	Yes	Yes

Name of Countries	General/import				General/ import contain		of OI	OS	Banning in	nport o		f bulk	Banning import or sale of ODS containing equipment				Potential of compliance with CFC freeze*	Potential of compliance with CFC 50% reduction*
	Proposed	Impl	ementa	tion	Proposed	Imple	ementa	ation	Proposed	Imp	lementa	ition	Proposed	Imple	ementa	ation		
	in CP	99	98	97	in CP	99	98	97	in CP	99	98	97	in CP	99	98	97		
Yemen	Yes	N/A	No	No	No	N/A	No	No	Yes	N/A	No	No	No	N/A	Yes	Yes	Yes	No
Zambia	Yes	Yes	Data	Data	Yes	Yes	Data	Data	Yes	Yes	Data	Data	Yes	Yes	Data	Data	Yes	No
Zimbabwe	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Countries which have	e not imple		ed any	of the	policy me													
Bangladesh	Yes	N/A	Data	No	Yes	N/A	Data	No	No	N/A	Data	No	Yes	N/A	Data	No	No	No
Benin	Yes	N/A	N/A	No	No	N/A	N/A	No	No	N/A	N/A	No	Yes	N/A	N/A	No	No	No
Central African	Yes	Data	No	No	Yes	Data	No	No	Yes	Data	No	No	Yes	Data	No	No	Yes	Yes
Republic																		
Cote d'Ivoire	No	N/A	No	Data	Yes	N/A	No	Data	No	N/A	No	Data	No	N/A	No	Data	Yes	Yes
El Salvador	Yes	No	No	No	Yes	No	No	No	Yes	No	No	No	Yes	No	No	No	Yes	Yes
Ethiopia	No	N/A	Data	No	No	N/A	Data	No	N/A	N/A	Data	No	Yes	N/A	Data	No	No	No
Guinea	Yes	No	No	Data	Yes	No	No	Data	Yes	No	No	Data	Yes	No	No	Data	Yes	No
Mali	Yes	N/A	No	Data	Yes	N/A	No	Data	No	N/A	No	Data	Yes	N/A	No	Data	Yes	No
Mauritania	Yes	No	N/A	N/A	Yes	No	N/A	N/A	No	No	N/A	N/A	No	No	N/A	N/A	Yes	No
Morocco	Yes	Data	N/A	No	Data	Data	N/A	No	No	Data	N/A	No	No	Data	N/A	No	Yes	Yes
Namibia	No	Data	Data	No	No	Data	Data	No	No	Data	Data	No	No	Data	Data	No	Yes	No
Paraguay	Yes	No	No	Data	Yes	No	No	Data	Yes	No	No	Data	Yes	No	No	Data	No	No
Peru	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No
Senegal	Yes	N/A	No	Data	Yes	N/A	No	Data	Yes	N/A	No	Data	Yes	N/A	No	Data	Yes	No
Seychelles	No	N/A	No	Data	No	N/A	No	Data	No	N/A	No	Data	No	N/A	No	Data	Yes	Yes
Swaziland	Yes	N/A	N/A	No	No	N/A	N/A	No	Yes	N/A	N/A	No	Yes	N/A	N/A	No	Yes	Yes
Tanzania	Yes	Data	Data	No	Yes	Data	Data	No	Yes	Data	Data	No	Yes	Data	Data	No	Yes	Yes
Trinidad & Tobago	Yes	No	No	No	Yes	No	No	No	No	No	No	No	Yes	No	No	No	Yes	Yes
Countries which only	y submit th	e data	part o	of the	report and	not th	e adm	inistr	ative and s	upport	ive acti	ons						
Antigua & Barbuda	Data	Data	Data	N/A	Data	Data	Data	N/A	Data	Data	Data	N/A	Data	Data	Data	N/A	Yes	Yes
Barbados	Data	N/A	Data	N/A	Data	N/A	Data	N/A	Data	N/A	Data	N/A	Data	N/A	Data	N/A	Yes	No

Name of Countries	General/	special	l permi	t on	General/	special	permi	it on	Banning in	nport c	r sale o	f bulk	k Banning import or sale of			e of	Potential of	Potential of
	import	or sale	e of OD	OS	import	or sale	of OI	OS		ODS	5		ODS con	taining	equipr	ment	compliance	compliance
					contair	ning eq	uipme	nt									with CFC	with CFC 50%
																	freeze*	reduction*
	Proposed	Impl	ementa	ation	Proposed	Imple	ementa	ation	Proposed	Imp	lementa	tion	Proposed	Imple	ementa	ation		
	in CP	99	98	97	in CP	99	98	97	in CP	99	98	97	in CP	99	98	97		
Bolivia	Data	Data	N/A	Data	Data	Data	N/A	Data	Data	Data	N/A	Data	Data	Data	N/A	Data	Yes	No
Comoros	Data	Data	Data	N/A	Data	Data	Data	N/A	Data	Data	Data	N/A	Data	Data	Data	N/A	Yes	No
Dominica	Data	N/A	N/A	Data	Data	N/A	N/A	Data	N/A	N/A	N/A	Data	N/A	N/A	N/A	Data	Yes	No
Gabon	Data	Data	Data	N/A	Data	Data	Data	N/A	Data	Data	Data	N/A	Data	Data	Data	N/A	Yes	Yes
Georgia	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Yes	No
Honduras	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Data	Yes	No
Nigeria	Data	N/A	Data	N/A	N/A	N/A	Data	N/A	Data	N/A	Data	N/A	Data	N/A	Data	N/A	Yes	No
<b>Countries which did</b>	not submit	t any r	eports	durin	ig 1997-199	99												
Bahamas	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No
Belize	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No
Botswana	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	No
Burundi	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No
Chad	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	No
Ecuador	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	Yes
Grenada	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	Yes
Kenya	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	No
Lesotho	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	No
Mongolia	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No
Papua New Guinea	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No
Qatar	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No
St Kitts & Nevis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	Yes
St Lucia	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	Yes

Name of Countries	General/ import	-	-		General/ import contain		of OI	OS	Banning ir	nport o		f bulk	ODS containing equipment				Potential of compliance with CFC freeze*	Potential of compliance with CFC 50% reduction*
	Proposed	Imp	lementa	ation	Proposed	Imple	ementa	ation	Proposed	Imp	lementa	tion	Proposed	Imple	ementa	ition		
	in CP	99	98	97	in CP	99	98	97	in CP	99	98	97	in CP	99	98	97		
St Vincent &	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No
Grenadines																		
Western Samoa	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No
Yugoslavia	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	No

\*Source of data: Part I of UNEP/OzL.Pro/ExCom/32/38

Yes: indicates that the country concerned has implemented the policy measure

No: indicates that the country concerned has not implemented the policy measure

Data: indicates that the country submits a report which contains only ODS consumption data but no data on administrative and supportive actions

N/A: indicates that the country did not submit any report during 1997-1999

# Annex I

Table 3

A Combined Analysis of Policy Control and Fund Assistance on Potential of Implementing Compliance

27 00			
Name of Countries	ODS phaseout	Potential of	Potential of
	approved (in ODP	compliance with	compliance with
	tonnes)*	CFC freeze**	CFC 50%
			reduction**
Countries which have imple			
Group I with approvals abo			T
China	67822.10	Yes	No
India	8064.22	Yes	Yes
Indonesia	6715.17	Yes	Yes
Brazil	5700.86	Yes	No
Malaysia	4859.55	Yes	Yes
Thailand	4116.97	Yes	Yes
Iran	3808.99	Yes	No
Argentina	3083.11	Yes	No
Mexico	3036.86	Yes	Yes
Turkey	3034.12	Yes	Yes
Group II with approvals be	tween 500 - 3,000 tonr	ies	
Egypt	2448.18	Yes	Yes
Syria	2087.35	Yes	Yes
Philippines	1662.10	Yes	No
Algeria	1460.20	Yes	Yes
Pakistan	1282.60	Yes	Yes
Romania	1231.70	Yes	Yes
Jordan	1200.75	Yes	Yes
Venezuela	1095.01	Yes	Yes
Tunisia	961.50	Yes	Yes
Colombia	955.84	Yes	Yes
Lebanon	946.55	Yes	Yes
Chile	799.56	Yes	Yes
Korea DPR	568.80	Yes	Yes
Group III with approvals be	etween 200 - 500 tonno	es	
Macedonia	465.14	Yes	Yes
Cameroon	427.00	Yes	Yes
Sudan	399.84	Yes	Yes
Ghana	366.00	Yes	Yes

# A Combined Analysis of Policy Control and Fund Assistance on Potential of **Implementing Compliance**

Name of Countries	ODS phaseout approved (in ODP tonnes)*	Potential of compliance with CFC freeze**	Potential of compliance with CFC 50% reduction**
Vietnam	275.06	Yes	Yes
Zimbabwe	214.60	Yes	Yes
Group IV with approvals bet			
Dominican Republic	189.00	No	No
Uruguay	163.35	Yes	No
Guatemala	159.30	Yes	No
Cuba	108.20	Yes	No
Jamaica	108.20	No	No
Costa Rica	97.38	Yes	Yes
Panama	85.00	Yes	No
Sri Lanka	60.55	Yes	No
Mauritius	53.70	Yes	Yes
Croatia	50.60	Yes	No
Malawi	40.20	Yes	Yes
Burkina Faso	38.48	Yes	No
Bahrain	37.53	Yes	No
Nicaragua	22.35	Yes	Yes
Group V with approvals betw	veen 0 - 20 Tonnes		
Congo PRC	19.20	Yes	Yes
Gambia	18.75	Yes	Yes
Guyana	13.70	Yes	Yes
Zambia	7.20		No
Niger	5.80		No
Fiji	5.20	Yes	Yes
Uganda	3.60	Yes	No
Yemen	0.00	Yes	No

<sup>\*</sup>Total ODP phaseout approved up till July 2000 from the Fund Secretariat's database
\*\*Source of data: Part I of UNEP/OzL.Pro/ExCom/32/38

# Annex II: Summary Tables

Table 1
Fund Assistance and Potential of Implementing Compliance

Groups	No.of countries	CFC freeze		C	CFC 50%	reductio	n		
	countries	YES	%	NO	%	YES	%	NO	%
Group I - approvals above 3,000 tonnes/ODP	10	10	100.00%	0	0.00%	6	60.00%	4	40.00%
Group II - approvals between 3,000- 500 tonnes/ODP	15	15	100.00%	0	0.00%	13	86.67%	2	13.33%
Group III - approvals between 500-200 tonnes/ODP	10	10	100.00%	0	0.00%	8	80.00%	2	20.00%
Group IV - approvals between 200-20 tonnes/ODP	21	17	80.95%	4	19.05%	7	33.33%	14	66.67%
GroupV - approvals between 20-0 tonnes/ODP	39	28	71.79%	11	28.21%	12	30.77%	27	69.23%
Total	95	80	84.21%	15	15.79%	46	48.42%	49	51.58%

# Annex II: Summary Tables

Table 2
Policy Controls and Potential of Implementing Compliance

Groups	No.of countries	CFC freeze			C	CFC 50%	reduct	ion	
		YES	%	NO	%	YES	%	NO	%
Countries with at	51	48	94.12%	3	5.88%	32	62.75%	19	37.25%
least one policy									
control									
implemented									
Countries with	18	14	77.78%	4	22.22%	8	44.44%	10	55.56%
no policy control									
implemented									
Countries with	26	18	69.23%	8	30.77%	6	23.08%	20	76.92%
no data reported									
Total	95	80	84.21%	15	15.79%	46	48.42%	49	51.58%

# Annex II: Summary Tables

Table 3

A Combined Analysis of Fund Assistance and Policy Control on the Potential of Implementing Compliance

Groups	No.of countries		CFC freeze			(	CFC 50%	reductio	on
		YES	%	NO	%	YES	%	NO	%
Group I- approvals above 3,000 tonnes/ODP	10	10	100.00%	0	0.00%	6	60.00%	4	40.00%
GroupII- approvals between 3,000-500 tonnes/ODP	13	13	100.00%	0	0.00%	12	92.31%	1	7.69%
GroupIII- approvals between 500-200 tonnes/ODP	6	6	100.00%	0	2.38%	6	100.00%	0	0.00%
GroupIV- approvals between 200-20 tonnes/ODP	14	12	85.71%	2	14.29%	4	28.57%	10	71.43%
GroupV- approvals between 20-0 tonnes/ODP	8	7	87.50%	1	12.50%	4	50.00%	4	50.00%
Total	51	48	94.12%	3	5.88%	32	62.75%	19	37.25%

#### **PART III:**

#### DRAFT THREE-YEAR BUSINESS PLAN FOR THE MULTILATERAL FUND

#### Introduction

- 1. Decision 29/13 authorised the Secretariat of the Multilateral Fund to prepare the draft three-year business plan for the 2000-2002 triennium for its consideration at its 30<sup>th</sup> Meeting. The Secretariat submitted a document on strategic planning and the three-year business plan to the 30<sup>th</sup> Meeting (UNEP/OzL.Pro/ExCom/30/35). The Executive Committee decided, at its 30<sup>th</sup> and 31<sup>st</sup> Meetings, to continue its discussion on strategic planning.
- 2. The implementing agencies requested countries to identify their compliance needs for the years 2001 and 2002. The agencies prepared their draft 2001 business plans on the basis of such needs, among others, and indicated wherever possible what was expected to be included in the 2002 business plans.
- 3. This draft three-year business plan is submitted to the 32<sup>nd</sup> Meeting when the remaining projects for the first year of the triennium and the draft business plans for the year 2001 have been submitted to the Executive Committee for its consideration. The Executive Committee has already agreed to forward commitments for the year 2002 for the annual payments of multiyear projects that have been approved in principle.

#### **ODS Phaseout**

4. Table 1 presents the level of phase out by chemical from approved projects, projects submitted to the 32<sup>nd</sup> Meeting, projects contained in the draft 2001 business plans, and t he annual release of forward commitments, and other planned projects to be submitted in 2002.

Table 1

PHASE OUT FROM APPROVED, SUBMITTED, AND PLANNED PROJECTS
(In ODP tonnes)

Chemical	Year 2000 (a)	Year 2001 (b)	Year 2002 (b)		
			Forward Commitments	Other Planned Activities	
CFC	10,664	8,537	508	7,367	
Halon	2,596	3,902	1,941	0	
Carbon Tetrachloride	748	1,585	0	2,352	
Methyl Chloroform	89	0	0	0	
Methyl Bromide	947	1,013	0	893	
Consumption Total	15,044	15,037	2,449	10,612	
CFC	1,882	5,682	5,183	N/A	
Halon	1,989	3,489	2,292	0	
Carbon Tetrachloride	0	0	0	12,200	
Methyl Chloroform	0	0	0	1,400	
Production Total	3,871	9,171	7,475	13,600	

- (a) Includes projects submitted to the 32<sup>nd</sup> Meeting and projects approved in 2000 excluding those investment projects approved as part of the 1997-1999 triennium at the 30<sup>th</sup> Meeting
- (b) Based on information in the draft business plans for the year 2001.
- 5. The phase out needs of Article 5 countries to achieve compliance with the freeze and the 2005 reductions are reported in Part I of this document. Part I indicates the countries that are at risk of not achieving their freeze and 2005 reductions. It also indicates that for some of these countries, projects included in the draft business plans for the year 2001 should enable them to achieve compliance with the initial reductions.
- 6. For the remaining countries still considered at risk, Table 2 presents the amount of phase-out needed to bring these countries into compliance and the amount of phase out form projects anticipated to be submitted in the year 2002 resulting from project preparation to be approved in 2001.

Table 2

CONSUMPTION PHASE OUT REQUIRED TO ACHIEVE THE FREEZE AND 2005 REDUCTIONS FOR COUNTRIES AT RISK (In ODP tonnes)

Chemical	Phase Out Needed to Achieve Freeze and	Phase Out from Projects Planned to be	Difference
	2005 Reductions	Submitted in 2002	
CFC	8,564	7,367	1,197
Halon	5,691	1,941	3,750
Methyl Bromide	3,317	893	2,424
Total	17,572	10,201	7,371

7. As shown in Table 2, an additional phase out of 7,371 ODP tonnes is needed for these countries, mainly in the halon and methyl bromide sectors.

#### **Potential level of resources**

8. The level of resources that could be used for financial planning in 2002 is estimated, as shown in Table 3, at a minimum of US \$162 million. Additional funds may become available for the 2002 budget from, inter alia, unused bilateral contributions, cancelled projects, returned balances from completed projects, adjustments to approvals in previous triennia, etc. The table indicates that at least US \$24.4 million is expected in programmable resources that could be used to assist those countries at risk and all other activities in 2002.

Table 3

BUDGET AND PLANNED FUNDING FOR THE YEAR 2002
(In US \$)

Item	2002
Expected level of resource	162,000,000
Expected level of expenditures	
Investment	
Forward Commitments	(31,230,000)
Other Planned Activities	(64,960,480)
Non-investment allocation	(15,100,000)
Bilateral allocation	(20,000,000)
Secretariat and Executive Committee	(3,400,000)
61. Additional programmable resources	24,436,520

# RECOMMENDATIONS

The Executive Committee may wish to note the three-year business plan in the context of its ongoing discussions on strategic planning.