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Executive Committee of
the Multilateral Fund for the
Implementation of the Montreal Protocol

Tenth Meeting
Montreal, 28-30 June 1993

CONSOLIDATED PROGRESS REPORT (as at May 1993)

Introduction

This Consolidated Progress Report presents an update as at end of May 1993 of the first consolidated progress report (UNEP/OzL.Pro/ExCom/9/4). It has been developed, incorporating inputs from the implementing agencies and Parties reporting bilateral assistance programmes.

The Report is divided in two sections: Section I provides an overview on status of implementation of the activities approved. Section II consist of:

- Part I: Information on implementation of activities by agency; and
- Part II: Status of bilateral activities.

Individual reports reflecting the progress of the activities of the implementing agencies since the Ninth Meeting are provided separately in documents UNEP/OzL.Pro/ExCom/10/9, 10/10, 10/11, and 10/12 along with comments of the Fund Secretariat where applicable.

Section II presents information concerning the date of the Executive Committee meeting at which the activity was approved and the funds that were allocated; the estimated amount of ODS to be phased-out when project is implemented; the actual disbursements to the beneficiary country by the implementing agency; the time required to implement the project; and the status of implementation of the activity, including explanation of delays, if any, and remedial steps taken.

SECTION I

Overview

Since the establishment of the Fund, the Executive Committee has approved over 280 activities in 44 Article 5 countries, including 46 investment projects and nine demonstration projects. More than US\$75.5 million has been allocated for implementation of these projects through the four implementing agencies. Also, US\$2.2 million has been provided by Parties not operating under Article 5 of the Montreal Protocol as bilateral assistance.

Nearly 77 per cent of these activities are being implemented by the World Bank (112 projects) and UNDP (100 projects), while 74 per cent of the funds has been disbursed to the World Bank and 17 per cent to UNDP.

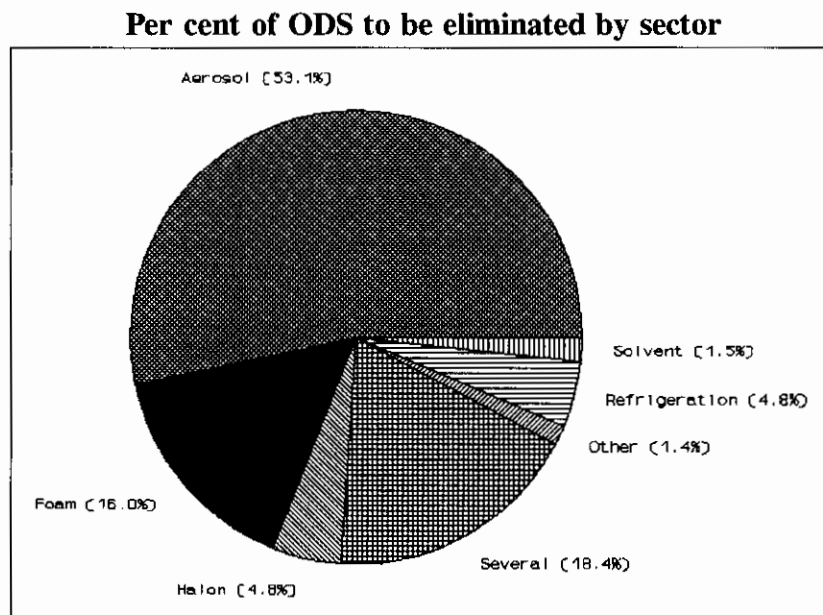
The largest allocation of funds corresponds to projects under the "several" sector category (a project which covers more than one sector, e.g. lines of grant), followed by projects in the refrigeration and foam sectors. The distribution of project allocations is presented in the following table:

**Project allocations by implementing agency, Party and sector
(in thousand US\$)**

Sector	IBRD	UNDP	UNEP	UNIDO	Bilateral	Total
Aerosol	6,826	176	130		6	7,138
Foam	9,376	3,295		150	41	12,862
Halon	2,380	922	180		699	4,181
Other	4,720					4,720
Refrig.	10,725	2,357	250	50	196	13,578
Solvent	3,070	1,080			563	4,713
Several	20,269*	5,278	3,900	285	702	30,434
Total	57,366	13,108	4,460	485	2,207	77,626

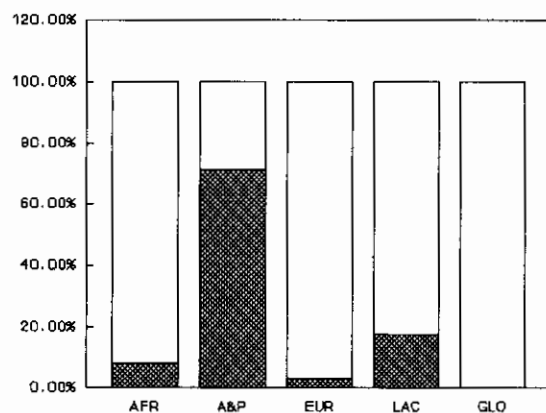
* Includes the following projects: Implementation of the Chile country programme (US \$1,206,000); Implementation of the projects identified in the Mexico country programme (US \$4,000,000); Introduction of non-ODS technologies in the production of domestic refrigerators at Arcelik, S.A., in Turkey (foam and refrigeration sectors, US \$4,900,000).

The implementation of the approved projects will lead to the elimination of over 25,000 tonnes of ODS. The elimination of 13,320 tonnes of ODS will be achieved through the implementation of thirteen projects in the aerosol sector; more than 4,000 tonnes of ODS will be phased-out through 31 projects in the foam sector and about 1,200 tonnes of ODS will be eliminated with the implementation of 50 projects in the refrigeration sector. The distribution on the ODS elimination by sector is shown in the following figure:

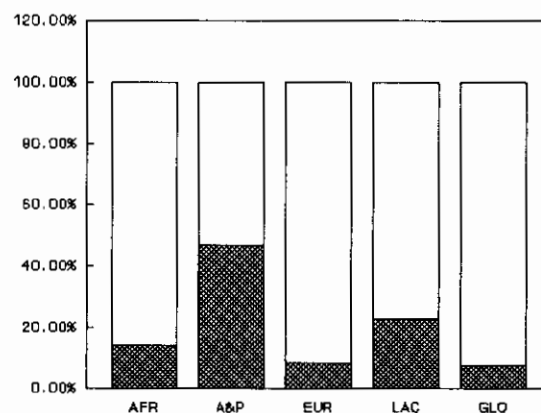


By region, 112 projects were approved for Article 5 countries in Asia and the Pacific, followed by Latin America and the Caribbean (76 projects), Africa (57 projects), and Europe (8 projects). Also, 34 projects of a global nature were approved. The regional distribution of the estimated amount of ODS to be phased-out and funds disbursed are presented below:

Regional distribution of ODS



Regional distribution of funds



AFR: Africa A&P: Asia and the Pacific EUR: Europe LAC: Latin America and the Caribbean GLO: Global

Thus far, ten country programmes have been approved and twelve others are being submitted for consideration at the Tenth Meeting of the Executive Committee; twelve training programmes have been conducted, and eight technical assistance projects have been completed. In addition, regional workshops on the implementation of the Montreal Protocol were conducted in Asia, Latin America and the Caribbean, Africa, and the Middle East.

SECTION II

Implementation of activities by agency, and

Status of bilateral assistance

IBRD

Consolidated 1993 Progress Report Part II: Bilateral Activities as at May 1993

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
ARGENTINA							
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$149,337		1993-1994	Funds not utilized in 1992. Activity refunded in 1993. Underway
	Country programme preparation <i>Country programme</i>	-	Mar 1993	\$85,000		1993-1994	CPG preparation underway
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$63,000		N/A	Project identification will follow CPG preparation schedule
BRAZIL							
Refrigeration	Assembly line refitting for HFC-134a refrigerator compressor, commercial production <i>Investment</i>	N/A	Jun 1992	\$530,000		3 years (1992-1995)	Discussions focussing on institutional arrangements for project development and implementation
	CFC-12 collection, recycling and conservation programme for household refrigerator maintenance and repair shops <i>Demonstration (phase I), investment (phase II)</i>	N/A	Jun 1992	\$2,000,000		3 years (1992-1995)	Pilot programme being designed
	Project preparation on converting CFC-11 central air conditioning units with HCFC-123 or HFC-134a <i>Project preparation</i>	-	Jun 1992	\$400,000		1993	N/A
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$123,788		Mid-1993	Govt. has lead completion (May 1993). Not all funds utilized in 1992. Activity refunded in 1993
	Country programme preparation <i>Country programme</i>	-	Mar 1993	\$30,000		1993	Local consultant being hired for CPG preparation
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$112,000		N/A	Newly approved
CHILE							
Several	Implementation of the country programme <i>Investment, training</i>	729	Jun 1992	\$1,206,000		1993-1996	Appraisal completed. Legal documents sent to Govt. Negotiations completed. Signature expected shortly.
N/A	Not available	-	Not applicable				Page 1

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Several	Country programme preparation <i>Country programme</i>	-	Jun 1991	\$121,166		1991-Jun 1992	Completed. Country programme approved at 7th ExCom Meeting
	Preparation of investment projects <i>Project preparation</i>	-	Feb 1992	\$191,878		1992	Completed. Five sub-components processed. Not all funds utilized
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$82,890		N/A	Newly approved
CHINA							
Aerosol	Project I: Tianjin CFC conversion to LPG propellant <i>Investment</i>	6300	Jun 1992	\$2,770,000		2 years (1992-1994)	Appraisal completed (Apr 1993). Permission to proceed sub-projects presented for final approval at 10th ExCom Meeting. Final project processing underway (will become China ODS II)
	Project I: Shanghai CFC conversion to LPG6300 propellant <i>Investment</i>		Jun 1992	\$2,309,000		2 years (1992-1994)	Pre-appraisal mission completed in Sep 1992
Foam	Project I: Zhejiang foam plant conversion to 500 butane <i>Investment, training</i>	500	Jun 1992	\$973,000		2 years (1992-1994)	Pre-appraisal mission completed in Sep 1992.
	Project I: 50% CFC foam <i>Investment, training</i>	1760	Jun 1992	\$1,878,000		2 years (1992-1994)	Pre-appraisal mission completed (Sep 92). \$480,000 transferred to UNDP
	Technical assistance for the implementation of the Zhejiang foam plant conversion to butane <i>Technical assistance</i>	-	Mar 1993	\$20,000		2 years (1992-1994)	Newly approved
Halon	Project I: Zhejiang halon extinguisher conversion <i>Investment</i>	500	Jun 1992	\$710,000		1.5 years (1992-1993)	Pre-appraisal mission completed in Sep 1992
	Project I: Beijing ABC powder production project <i>Investment</i>	400	Jun 1992	\$900,000		1 year (1992-1993)	Pre-appraisal mission completed in Sep 1992

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Halon	Technical assistance for the implementation of the Beijing ABC powder production and Zhejiang halon extinguisher conversion projects <i>Technical assistance</i>	-	Mar 1993	\$50,000		2 years (1992-1994)	Newly approved
Refrigeration	Pre-investment activities for Nanjing compressor and four refrigeration projects <i>Project preparation</i>	N/A	Oct 1992	\$300,000		1992	PPA prepared. It will be signed shortly by the World Bank and sent to China for signature
Several	Preparation of investment projects <i>Project preparation</i>	-	Jun 1991	\$184,000		N/A	Completed. Funds utilized
	Project preparation advance for developing components of Project I <i>Project preparation</i>	-	Jun 1992			N/A	In progress (\$0.25M out of \$1.5M disbursed to the Govt.). Preparation cost included in each component of Project I
	Financial agent fee for the implementation of approved projects (two aerosols, two foams, two halons) <i>Technical assistance</i>	-	Mar 1993	\$185,000		2 years	Newly approved
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$326,000		N/A	Newly approved
ECUADOR							
Aerosol	Conversion of six aerosol plants from CFC-12 to LPG <i>Project preparation</i>	0	Feb 1992			1992	Completed. Funds not utilized. However, projects have been prepared and approved at the 9th ExCom Meeting
	Conversion of aerosol plants to hydrocarbon propellants <i>Investment</i>	290	Mar 1993	\$697,000		2 years (1993-1994)	Project appraisal planned for Jun 1993
Foam	Reduction of CFC-11 use in foam insulation at three refrigerator manufacturing plants <i>Project preparation</i>	0	Feb 1992			1992	Completed. Funds not utilized. However, projects were approved at 9th ExCom Meeting
	Reduction of CFC-11 use in foam insulation at three refrigerator manufacturing plants <i>Investment</i>	51	Mar 1993	\$665,000		1993-1994	Project appraisal planned for Jun 1993
N/A	Not available	-	Not applicable				

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$76,100		1992	Completed. Country programme approved at the 6th ExCom Meeting
	Preparation of investment projects <i>Project preparation</i>	-	Feb 1992	\$95,026		1992	Completed. Projects in aerosol and rigid foam sectors prepared
	Institutional strengthening <i>Institutional strengthening</i>	-	Mar 1993	\$204,000		3 years (1993-1995)	Newly approved
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$68,000		N/A	Newly approved
EGYPT							
Refrigeration	Conversion of refrigeration compressor manufacturing to HFC-134a at MCMC <i>Investment, training</i>	324	Oct 1992	\$2,800,000		18 months (1992-1994)	Appraisal mission in May 1993
Several	Country programme preparation <i>Country programme</i>	-	Jun 1991	\$96,507		1991-1992	Completed. Country programme approved at 8th ExCom Meeting
	Preparation of investment projects <i>Project preparation</i>	-	Feb 1992	\$227,827		N/A	Closed. Funds not utilized. UNDP is implementing agency
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$112,200		N/A	Newly approved
GUATEMALA							
Several	Preparation of investment projects <i>Project preparation</i>	-	Oct 1992	\$25,000		N/A	Mission to finalize CPG and identify project proposals for UNDP/UNEP completed (Apr 1993). Activities in country completed
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$47,000		N/A	Newly approved
INDIA							
Several	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$400,000		1 year	Newly approved
N/A	Not available	-	Not applicable				Page 4

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
INDONESIA							
Several	Country programme preparation <i>Institutional strengthening</i>	-	Oct 1992	\$54,000		1993	Funds not utilized. UNDP has lead preparation to begin in early 1993. IBRD will participate
	Project preparation advance (I) <i>Project preparation</i>	N/A	Mar 1993	\$250,000		N/A	Newly approved
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$206,000		N/A	Newly approved
IRAN							
Several	Preparation of investment projects <i>Project preparation</i>	-	Feb 1992	\$20,000		N/A	Closed. Funds not utilized
JORDAN							
Aerosol	Deodorization of liquefied petroleum gas (LPG) <i>Investment</i>	200	Jun 1992	\$700,000		3 years (1992-1994)	Project appraisal completed (Feb 1992). Grant agreement to be approved in Jun 1993
Foam	Reduction of CFC-11 in rigid insulation foams in domestic and commercial refrigerators <i>Investment</i>	25	Jun 1992	\$120,000		2 years (1993-1994)	Project appraisal planned in 1st quarter 1993
	Reduction of CFC-11 in flexible foam <i>Investment</i>	25	Jun 1992	\$30,000		2 years (1993-1994)	Project appraisal planned in 1st quarter 1993
Refrigeration	Preparation of investment projects in air conditioning, commercial and domestic refrigeration <i>Project preparation</i>	-	Jun 1992	\$500,000		4 years (1993-1996)	Project appraisal planned in 1st quarter 1993
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$70,000		1992	Country programme completed. Submitted for consideration to the 10th ExCom Meeting
	Preparation of investment projects <i>Project preparation</i>	-	Jun 1991	\$24,464		1991-1992	Completed
N/A	Not available	-	Not applicable				

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Several	Recovery and recycling of CFC-12 in refrigeration equipment and maintenance procedures and recycling in halon systems <i>Demonstration</i>	120	Jun 1992	\$50,000		4 years (1993-1996)	Appraisal in 1st quarter 1993
	Policy and monitoring measures <i>Institutional strengthening</i>	-	Jun 1992	\$100,000		N/A	Appraisal in 1st quarter 1993
	Country programme preparation <i>Country programme</i>	-	Mar 1993	\$8,200		N/A	CPG completed. Activity closed
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$123,200		N/A	Newly approved
MALAYSIA							
Halon	Servicing, maintenance and recovery of portable extinguishers (halon-1211) and training programme <i>Investment</i>	300	Feb 1992	\$720,000		1 year (1992-1993)	Grant agreement signed (Nov 1992). Project implementation underway
Refrigeration	Conservation, leakage control and recycling of CFC-12 and demonstration project in MAC sector <i>Investment</i>	370	Feb 1992	\$910,000		1 year (1992-1993)	Grant agreement signed (Nov 1992)
Several	Country programme preparation <i>Country programme</i>	-	Jun 1991	\$16,294		1991-1992	Completed. Country programme approved at 6th ExCom Meeting
	Preparation of investment projects <i>Project preparation</i>	-	Jun 1991	\$38,289		2 years (1991-1992)	Assistance to the Govt. in initial appraisals of approved projects
	Preparation of investment projects <i>Project preparation</i>	-	Feb 1992	\$120,000		2 years (1991-1992)	Assistance to the Govt. in initial appraisals of approved projects
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$28,200		N/A	Newly approved
MEXICO							
Several	Country programme preparation <i>Country programme</i>	-	Jun 1991	\$36,061		1991-1992	Completed. Country programme approved at 6th ExCom Meeting
N/A	Not available	-	Not applicable				Page 6

IBRD

Consolidated 1993 Progress Report Part I: Implementing Agency Activities as at May 1993

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Several	Preparation of investment projects <i>Project preparation</i>	-	Jun 1991	\$68,164		N/A	Pending
	Preparation of investment projects <i>Project preparation</i>	-	Feb 1992	\$292,076		N/A	Pending
	Implementation of projects identified in the 2050 country programme <i>Investment, training</i>		Nov 1991	\$4,000,000		1992-1996	Grant agreement signed (Dec 1992). Eleven sub-projects in pipeline. Subsidiary agreements to be signed
	Safety programme in aerosol plant and recycling training and demonstration project in MAC <i>Training, demonstration</i>	800	Jun 1991	\$180,000		Nov 1992	Grant agreement signed (Apr 1992). Key subsidiary agreements signed. Implementation in progress
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$123,400		N/A	Newly approved
NIGERIA							
	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$271,255		N/A	Request for consultant proposal underway. First draft by Sep 1993. Final in Apr 1994
	Preparation of investment projects <i>Project preparation</i>	-	Feb 1992	\$144,078		N/A	Request for consultant proposal underway Delayed, subject to CPG preparation
	Country programme preparation <i>Country programme</i>	-	Mar 1993	\$35,100		N/A	Newly approved
PHILIPPINES	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$62,500		N/A	Newly approved
	Application of a reduced CFC blowing agent and non-CFC application preparation at Philippines Appliance Corporation (Philacor) <i>Investment</i>	120	Mar 1993	\$1,770,000		4 years (1993-1996)	Project appraisal completed (Mar 1993). Project processing moving ahead
	Application of a reduced CFC blowing agent and non-CFC application preparation at Concepcion Industries <i>Investment</i>	35	Mar 1993	\$790,000		4 years (1993-1996)	Project appraisal completed (Mar 1993). Project processing moving ahead
N/A	Not available	-	Not applicable				Page 7

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Foam	Application of a reduced CFC blowing agent and non-CFC application preparation at Sanyo Philippines <i>Investment</i>	9	Mar 1993	\$660,000		4 years (1993-1996)	Project appraisal completed (Mar 1993), Project processing moving ahead
	Application of a reduced CFC blowing agent and non-CFC application preparation at Federal Electric Company <i>Investment</i>	5	Mar 1993	\$770,000		4 years (1993-1996)	Project appraisal completed (Mar 1993), Project processing moving ahead
Other	Conversion of tobacco fluffing process to carbon dioxide at Fortunate Tobacco corporation <i>Investment</i>	350	Mar 1993	\$4,720,000		3 years (1993-1995)	Project appraisal completed (Mar 1993), Project processing moving ahead
Solvent	Conversion to semi-aqueous and aqueous cleaning solvents at Ionics Circuits, Inc. <i>Investment</i>	171	Mar 1993	\$790,000		6 months (1993-1994)	Project appraisal completed (Mar 1993), Project processing moving ahead
	Conversion to low-emission processing and organic solvents at Pacific Semiconductors, Inc. <i>Investment</i>	25	Mar 1993	\$710,000		6 months (1993-1994)	Project appraisal completed (Mar 1993), Project processing moving ahead
	Conversion to low-emission processing and organic solvents at Electronic Assemblies, Inc. <i>Investment</i>	5	Mar 1993	\$710,000		6 months (1993-1994)	Project appraisal completed (Mar 1993), Project processing moving ahead
	Conversion to high-purity water cleaning at Integrated Microelectronic, Inc. <i>Investment</i>	19	Mar 1993	\$430,000		6 months	Project appraisal completed (Mar 1993), Project processing moving ahead
	Conversion to semi-aqueous cleaning solvents at Solid Circuits, Inc. <i>Investment</i>	4	Mar 1993	\$70,000		6 months	Project appraisal completed (Mar 1993), Project processing moving ahead
Several	Country programme preparation <i>Country programme</i>	-	Jun 1991	\$19,952		N/A	Under review. To ExCom by early 1993
	Preparation of investment projects <i>Project preparation</i>	-	Feb 1992	\$100,000		1992-1993	Completed. Projects proposals approved at 9th ExCom. Meeting
N/A	Not available	-	Not applicable				Page 8

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Several	Controlled substances engineering project <i>Project preparation</i>	-	Feb 1992	\$390,000	\$90,000	1992-1993	Grant agreement signed (Jun 92). Investment projects approved at the 9th ExCom Meeting. Disbursements continuing
	Information exchange programme <i>Training</i>	-	Mar 1993	\$200,000		1 year (1993)	Newly approved
	Technical assistance for the financial institution <i>Technical assistance</i>	-	Mar 1993	\$100,000		1 year	Project appraisal completed (Mar 1993). Project processing moving ahead
	Institutional strengthening for Ozone Desk Operations <i>Institutional strengthening</i>	-	Mar 1993	\$209,000		6 months	Project appraisal completed (Mar 1993). Project processing moving ahead
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$194,550		N/A	Newly approved
THAILAND							
Refrigeration	CFC recycling in MAC <i>Investment</i>	250	Jun 1992	\$900,000		2 years (1992-1994)	Grant agreement under preparation. Project will be included in the grant agreement for the project to be submitted to the 10th ExCom Meeting
Solvent	Thai-Airways non-ODS metal cleaning <i>Investment</i>	10	Jun 1992	\$100,000		2 years (1992-1994)	Project feasibility under preparation
Several	Country programme preparation <i>Country programme</i>	-	Jun 1991	\$190,909		N/A	Draft CPG completed. Government has lead.
	Preparation of investment projects <i>Project preparation</i>	-	Feb 1992	\$120,000		N/A	Project proposals to be submitted to 10th ExCom Meeting
	Controlled substances engineering project <i>Project preparation</i>	-	Feb 1992	\$390,000	\$340,000	1992-1993	Grant agreement signed (Aug 92). Project proposals to be submitted to 10th ExCom Meeting
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$190,000		N/A	Newly approved
TRINIDAD AND TOBAGO							
Several	Preparation of investment projects <i>Project preparation</i>	-	Jun 1991	\$86,843		N/A	N/A

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
TUNISIA							
Aerosol	Technical seminar and conversion to non-CFC technology in aerosol sector <i>Investment, training</i>	230	Jun 1992	\$350,000		1993	Pre-appraisal completed (Mar 1993). Appraisal for Jun 1993 Minor scheduling difficulties and changes in project scope
Foam	Technical assistance and demonstration of non-CFC technology in rigid and flexible foam production <i>Investment, training</i>	700	Jun 1992	\$100,000		10 months (1993)	Appraisal in 2nd quarter 1993
	Introduction of low-CFC and non-CFC in rigid foams in refrigeration insulation <i>Investment</i>	175	Jun 1992	\$300,000		1993	Appraisal in 2nd quarter 1993
Refrigeration	Maintenance of domestic, commercial and industrial refrigeration systems <i>Investment</i>	100	Jun 1992	\$400,000		3 years (1993-1996)	Appraisal in 2nd quarter 1993
	Technical assistance for development of HFC-134a-based domestic refrigerators <i>Investment</i>	60	Oct 1992	\$360,000		2.5 years (1993-1996)	Appraisal in 2nd quarter 1993
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$125,000		1 year (1992-1993)	Completed. Govt. reviewed (Mar 1993)
	Preparation of investment projects <i>Project preparation</i>	-	Feb 1992	\$50,000		1992	Completed. Projects submitted for approval at 7th and 8th ExCom Meetings
	Institutional strengthening <i>Institutional strengthening</i>	-	Oct 1992	\$280,000		3 years (1993-1996)	Appraisal in 2nd quarter 1993
	Preparation of investment projects <i>Project preparation</i>	-	Jun 1991	\$64,748		1991-1992	Completed. Projects submitted for approval at 7th and 8th ExCom Meetings
	Country programme preparation <i>Country programme</i>	-	Mar 1993	\$8,200		N/A	Assistance on CPG preparation continues
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$165,800		N/A	Newly approved

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
TURKEY							
Refrigeration	Recovery and recycling of CFC-12 at a refrigeration production plant <i>Investment</i>	4	Jun 1992	\$65,000		N/A	All sub-project appraisal completed (May 1993)
	Recovery and reclamation of CFC-12 from household refrigerators <i>Investment</i>	-	Jun 1992	\$400,000		1.5 years (1993-1994)	Project appraisal completed (May 1993)
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$13,515		1992	Completed. Country programme approved at 8th ExCom Meeting
	Preparation of investment projects <i>Project preparation</i>	-	Feb 1992	\$217,687		1992	Completed. Projects submitted for approval at 7th and 8th ExCom Meetings
	Institutional strengthening <i>Institutional strengthening</i>	-	Oct 1992	\$300,000		3 years (1993-1995)	Project appraisal in 1st quarter 1993
	Introduction of non-ODS technologies in the 750 production of domestic refrigerators at Arcelik A.S. <i>Investment</i>		Oct 1992	\$4,900,000		3 years (1993-1996)	Project appraisal in 1993
	Demonstration activities <i>Demonstration</i>	-	Jun 1992	\$500,000		1 year	Appraisal in 1st quarter 1993
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$140,400		N/A	Newly approved
VENEZUELA							
Foam	Conversion of a CFC-12 polystyrene foam production facility to use hydrocarbons as blowing agent <i>Investment</i>	259	Jun 1992	\$1,300,000		1 year (1992-1993)	Grant agreement with Govt. signed (Apr 1993). Project already under implementation
Refrigeration	Replacement of CFC by HFC-134a as a refrigerant in central air conditioning units <i>Investment</i>	14	Oct 1992	\$1,100,000		18 months (1993-1994)	Project appraisal in Jun 1993. Small change in scope

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$61,591		N/A	Closed. Funds not utilized. IBRD assistance has not been requested
	Preparation of investment projects <i>Project preparation</i>	-	Feb 1992	\$107,058		N/A	Underway
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$156,200		N/A	N/A
GLOBAL							
Refrigeration	Global refrigeration project <i>Project preparation</i>	-	Oct 1992	\$60,000		N/A	Six sub-projects developed in India and Thailand
Solvent	Global solvent project <i>Project preparation</i>	-	Oct 1992	\$260,000		N/A	Workshop held in Malaysia. Other workshops planned in Mexico and Turkey
Several	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$455,000		N/A	Newly approved

UNDP

Consolidated 1993 Progress Report Part I: Implementing Agency Activities as at May 1993

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
ARGENTINA							
Several	ODS reconnaissance survey <i>Technical assistance</i>	-	Jun 1991	\$25,000		1992-Dec 1993	Govt. requested UNDP to defer any activity until the Govt. finalizes CPG implementation arrangements with the World Bank. Implementation should start in 3rd quarter 1993
BANGLADESH							
Several	Reconnaissance survey and training <i>Technical assistance</i>	-	Jun 1991	\$55,000	\$55,000	1992-Jun 1993	ODS survey completed (Feb 1993). Other training activities will be completed by Jun 1993. A national workshop will be held in 5 Jun 1993 to discuss results of the survey and inform Govt. officials, manufacturers, importers on provisions of the Protocol
	Country programme formulation <i>Country programme</i>	-	Feb 1992	\$25,000	\$15,000	1992-4th quarter 1993	Started (Mar 1993). Completion in 4th quarter 1993 for presentation to the 12th ExCom Meeting Expected completion date moved from 3rd quarter to 4th quarter 1993 due to extra time needed by Govt. for completion of CPG
BRAZIL							
Refrigeration	Demonstration programme to improve domestic refrigerator servicing and CFC recycling in service shops <i>Demonstration</i>	-	Feb 1992	\$25,000	\$25,000	1992-Dec 1993	To start in Jun 1993. The Govt. has selected "Associação Brasileira de Aquecimento (ABRAVA)" to implement the study. To be completed in Dec 1993
CHILE							
Refrigeration	Demonstration programme for service centre technicians on CFC-11 venting and leakage from refrigerators during operation and servicing <i>Demonstration</i>	-	Feb 1992	\$25,000	\$25,000	1992-3rd quarter 1993	Outline finalized (Apr 1993). Implementation of the programme will start with a national workshop (21-22 Jun 1993). Related activities will be completed in 3rd quarter 1993
N/A	Not available	-	Not applicable				Page 13

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Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
CHINA							
Aerosol	Technical assistance for Guangdong aerosols investment project and investigation of non-ODS filling technology and LPG purification <i>Technical assistance</i>	-	Feb 1992	\$75,000	\$45,982	1992-3rd quarter 1993	6 Chinese technicians visited aerosol filling equipment and LPG purification plants in Egypt and UK (Mar 1993). Feasibility study almost completed, pending procurement of a small filling machine for testing in 3rd quarter 1993
Foam	Technical assistance for CFC-11 substitute technology in rigid polyurethane foam <i>Technical assistance</i>	-	Feb 1992	\$70,000	\$45,982	1992-mid-1993	Study tour completed (Dec 1992). It included foam trials and testing with non-CFC chemicals at several facilities, and development of the Tiajing foam project. Remaining funds used to detail a project in extruded polystyrene foam (to 11th ExCom meeting) Local industrial experimentation could not yet be undertaken as appropriate equipment was lacking
	Quality control testing on adoption of CFC-11 substitute technology in a production line for home refrigerators <i>Technical assistance</i>	-	Feb 1992	\$65,000		1992-3rd quarter 1993	Technical visit in Jun 1993. It will facilitate selection of equipment which will be specified and procured immediately afterwards.
	Quality control testing for CFC-11 substitute technology in flexible polyurethane foam <i>Technical assistance</i>	-	Feb 1992	\$70,000	\$20,656	1992-3rd quarter 1993	Technical mission for rigid spray foam and for pipe insulation in Jun 1993. Projects for pipe insulation (\$500,000 World Bank) and spray foam (\$435,000, UNDP) will be ready for submission to the 11th ExCom meeting Problems with inadequate local equipment
	Technical assistance for the Beijing Household Electric Appliances Research Institute (BHEARI) <i>Technical assistance</i>	-	Jun 1992	\$480,000		1993-1995	Project implementation modalities have been discussed (Apr 1993). Specification and purchase of equipment and initial training in 2nd and 3rd quarters 1993
Halon	Technical study on halons usage and applications of halons substitutes <i>Training</i>	-	Feb 1992	\$40,000	\$39,950	1992-Jun 1993	Technical study tour to Denmark, Germany and UK for Jun 1993. UNDP made a presentation at the halon 1211 recycling/recharging workshop, Beijing, 22-25 Apr 1993
Refrigeration	Feasibility study on the application of HFC-134a technology in MACs and CFC recycling <i>Technical assistance</i>	-	Feb 1992	\$40,000		1992-3rd quarter 1993	Workplan finalized between UNDP and the China National Automotive Industry Corporation (CNAIC) (Apr 1993). Implementation to start Jun 1993
N/A	Not available	-	Not applicable				Page 14

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Refrigeration	Establishment of a training programme for centrifugal chillers and domestic refrigeration service managers and technicians <i>Training</i>	-	Feb 1992	\$75,000	\$40,000	1992-3rd quarter 1993	Training programme to be finalized in Jun 1993. Procurement of equipment in Jul 1993. First training will commence in Sep 1993. Delays due to initial lower priority assigned by the Govt. to this activity which has since changed
	Import and promotion of applications for CFC substitute chemicals in the refrigeration sector in Southern China <i>Technical assistance</i>	-	Mar 1993	\$100,000		1993-1st quarter 1994	Programme implementation discussed (Apr 1993). Activities will start in Jul 1993
Solvent	Dalian precision parts cleaning line demonstration project <i>Demonstration</i>	86	Jun 1992	\$495,000	\$495,000	2 years (1993-Dec 1994)	Project document signed by Govt. (Jan 1993). UNDP experts and vendors have visited the site to start implementation. Sample cleaning tests completed
	Dandong electronic tuner aqueous cleaning line demonstration project <i>Demonstration</i>	25	Jun 1992	\$495,000	\$495,000	2 years (1993-1994)	Project document signed by Govt. (Jan 1993). UNDP experts and vendors have visited the site to start implementation. Sample cleaning tests completed
	Pre-feasibility study to phase-out CFC-113 in electronic cleaning in four production lines <i>Technical assistance</i>	-	Feb 1992	\$40,000	\$41,829	1992-Jan 1993	Completed
Several	Establishment of a quality control testing plant for using CFC-12 substitute technology in refrigeration and rigid foams <i>Technical assistance</i>	-	Feb 1992	\$70,000		1992-4th quarter 1993	To start in 2nd quarter 1993. Completion in end-1993 UNDP refrigeration sector expert recommended delaying this activity until 1993
	Institutional strengthening, including establishment of the Information Clearing-house at NEPA <i>Institutional strengthening</i>	-	Feb 1992	\$450,000		1992-1995	Project document being prepared for signature. Information Clearing-house operational. Ozone information newsletters are being produced in Chinese (with UNEP assistance)
	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$200,000	\$216,094	1992-1993	Completed. Country programme approved at 9th ExCom Meeting
	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$100,000	\$48,000	1993	Technical missions for halon, foam and solvent sectors completed (Apr 1993). 2 halon technical assistance projects, 3 foam projects, 2 solvent demonstration projects and 2 refrigeration projects have been developed, to be submitted to 10th ExCom Meeting

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Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Several	Survey and assessment of small CFC plant conversion possibilities <i>Technical assistance</i>	-	Mar 1993	\$90,000		1993	Terms of reference finalized with Govt. Implementation to start in Jul 1993
COSTA RICA							
Several	Implementation of country programme <i>Technical assistance</i>	170	Oct 1992	\$393,400	\$263,160	1993-1995	Two missions completed (24 Mar-1 Apr and 25-30 Apr 1993). Institutional strengthening and training programme in all sectors project documents have been prepared. To be signed in Jun 1993 and implemented immediately thereafter
	Reconnaissance study <i>Technical assistance</i>	-	Jun 1991	\$20,000	\$16,499	1991-Jun 1992	Completed
	Country programme preparation <i>Country programme</i>	-	Jun 1992	\$20,000	\$19,159	Jun 1992-Sep 1992	Completed. Country programme approved at 8th ExCom Meeting
CUBA							
Several	Country programme preparation <i>Country programme</i>	-	Oct 1992	\$22,600	\$15,000	1993	Country programme completed (Apr 1993). Submitted for consideration to the 10th ExCom Meeting
ECUADOR							
Refrigeration	CFC refrigerant conversion and materials handling training programme <i>Training</i>	-	Feb 1992	\$100,000	\$60,000	1992-Aug 1993	Started late-1992. It has been expanded in scope to cover the aerosol, foam, solvent and refrigeration sectors Govt. requested changes in execution modality that resulted in financial and legal arrangements for project implementation
EGYPT							
Foam	Phase-out of CFC-11 in the manufacturing of flexible polyurethane foam at Misr Foam factory <i>Investment</i>	121	Oct 1992	\$497,000	\$348,780	Oct 1992-4th quarter 1993	Safety training programme and procurement of equipment completed. Construction will begin in Jun 1993
	Phase-out of CFC-11 in the manufacturing of moulded, flexible, semi-rigid and rigid polyurethane foam at Taki-Vita factory <i>Investment</i>	50	Oct 1992	\$352,500		Oct 1992-1st quarter 1995	Procurement of equipment in process. Installation and start-up in 4th quarter 1993. About 30 tonnes of ODS will be phased-out in 1st quarter 1994 and the rest in 4th quarter 1994
N/A	Not available	-	Not applicable				Page 16

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Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Foam	Phase-out of CFC-11 in the manufacture of moulded polyurethane foams at Technopol Company <i>Investment</i>	55	Oct 1992	\$645,000	\$656,303	Oct 1992-End 1994	Procurement of equipment completed. Equipment delivery and installation in 3rd quarter 1993. Staff training and start-up in 4th quarter 1993 with ODS phase-out starting in 1994
	Elimination of CFC-12 in the manufacture of extruded polystyrene foam at Al-Sharif Plastic Factories <i>Investment</i>	75	Mar 1993	\$498,000		Mar 1993-1st quarter 1994	Equipment has been specified. Procurement in process (bids are under evaluation)
	Phase-out of CFC-11 in the manufacturing of flexible polyurethane foam at Misr Foam Co. (Phase II) <i>Investment</i>	28	Mar 1993	\$275,000	\$232,129	Mar 1993-3rd quarter 1993	Equipment has been specified and procured. Installation, start-up and training will be completed in Sep 1993
Refrigeration	Phase-out of CFC in refrigeration at Koldair Company <i>Investment</i>	18	Oct 1992	\$272,000	\$229,631	Oct 1992-End 1994	Procurement of equipment completed. Equipment delivery in 3rd quarter 1993. Project activities to be completed by end-1993 with ODS phase-out starting in 1994
Several	Preparation of investment projects <i>Project preparation</i>	-	Feb 1992	\$100,000	\$59,655	1992-1993	Four UNDP mission completed (Jan-Apr 1993). Several investment projects formulated. Five projects identified, two to be submitted to 10th ExCom meeting
	Study tours for officials from the Ministry of the Environment, and pre-feasibility study <i>Training</i>	-	Jun 1991	\$126,000		1991-Feb 1992	Completed. Study tours completed in Nov 1991 (ozone policy implementation) and in Feb 1992 (refrigeration)
GHANA							
Foam	Technical assistance for technology transfer for phase-out of CFC-11 in flexible foam <i>Technical assistance</i>	24	Oct 1992	\$85,000		Oct 1992-4th quarter 1994	Revised project document received from the Govt., and to be signed in Jun 1993 (non-technical modifications are needed so as to prepare the document for signature). Implementation beginning immediately thereafter
Refrigeration	Improved servicing and maintenance within the refrigeration sector <i>Technical assistance</i>	50	Oct 1992	\$328,000		Oct 1992-4th quarter 1995	Revised project document received from the Govt., and to be signed in Jun 1993 (non-technical modifications are needed so as to prepare the document for signature). Implementation beginning immediately thereafter
N/A	Not available	-	Not applicable				Page 17

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Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Refrigeration	Refrigeration training programme for servicing technicians <i>Training</i>	-	Jun 1991	\$99,000	\$5,200	1992-4th quarter 1993	Change of implementing agency (from UNDP to UNEP) under discussion. Govt. has approved this change UNDP and UNEP agreed to jointly implement the project. Since funds transfer to UNEP is not legally feasible by UNDP, it is requesting the ExCom to remove this activity from its work programme and designate UNEP as the implementing agency
Several	Institutional strengthening <i>Institutional strengthening</i>	-	Oct 1992	\$160,000		3 years (1993-1995)	Revised project document received from the Govt., and to be signed in Jun 1993 (non-technical modifications are needed so as to prepare the document for signature). Implementation (and fund transfers) beginning immediately thereafter
INDIA							
Several	Assistance in project preparation in all sectors <i>Project preparation</i>	-	Oct 1992	\$100,000		12 months (1993)	Govt. is to specify projects to be formulated. First mission completed (Mar 1993)
	Institutional strengthening <i>Institutional strengthening</i>	-	Oct 1992	\$430,000	\$430,000	3 years (1993-1995)	National workshop for industry held (28-29 Jan 1993). Revised project document finalized. Signature by the Govt. and UNDP expected in Jun 1993
	Country programme preparation <i>Country programme</i>	-	Mar 1993	\$200,000	\$50,000	1993	Initial discussions between UNDP and Govt. held Mar 1993. CPG preparation mission completed (Apr 1993). TOR and time schedule for CPG preparation finalized (Apr 1993). Consultants are being recruited, and 2 national workshops have been scheduled
INDONESIA							
Several	Country programme preparation <i>Country programme</i>	-	Oct 1992	\$200,000	\$20,000	1993	First mission completed (Apr 1993). Issues discussed included implementation modality, designation of lead national agency, selection of experts, sectoral working groups, time schedule, budgetary allocations. To be submitted to the 12th ExCom Meeting

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Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
IRAN							
Several	Study to determine production and consumption of ODS <i>Technical assistance</i>	-	Jun 1991	\$30,350	\$30,350	1991-Jun 1992	Completed
	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$35,000	\$5,000	1992-1993	Country programme completed (Apr 1993). Submitted for consideration to the 10th ExCom Meeting
	Institutional strengthening <i>Institutional strengthening</i>	-	Oct 1992	\$200,200	\$200,200	3 years (1993-1st quarter 96)	Project document finalized. Signature by Govt. and UNDP in Jun 1993. Funds will be transferred immediately thereafter
	Preparation of investment projects <i>Project preparation</i>	-	Oct 1992	\$50,000	\$15,000	1 year (1993)	Funds transferred to UNIDO (May 1993). UNDP will assist the Govt. in preparation of projects in the foam sector
JORDAN							
Aerosol	Technical assistance and pre-feasibility study in aerosol sector <i>Technical assistance</i>	-	Jun 1991	\$29,000	\$29,000	1991-Mar 1992	Completed
	Feasibility study on deodorization of local gas as a CFC substitute in cosmetics <i>Technical assistance</i>	-	Feb 1992	\$12,000	\$12,000	1992-2nd quarter 1993	The feasibility study was to be done based on experience obtained from Egypt. Funding authorization has already been transferred to Jordan Seven Jordanian experts were to travel to Egypt. Due to logistic difficulties several proposed schedules (including in 15-21 May 1993) were changed as requested by the Govt.
KENYA							
Refrigeration	Demonstration and training unit for maintenance and recharge of refrigeration and air conditioning equipment <i>Training</i>	-	Jun 1991	\$115,100	\$9,852	1992-4th quarter 1993	Mission completed (Nov 1992). Change of implementing agency under consideration UNDP and UNEP agreed to jointly implement the project. Since funds transfer to UNEP is not legally feasible by UNDP, it is requesting the ExCom to remove this activity from its work programme and designate UNEP as the implementing agency
N/A	Not available	-	Not applicable				Page 19

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Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$25,000		1992-3rd quarter 1993	First mission completed (Feb 1993). First draft CPG completed. Second expert mission to assist the Govt. to complete the CPG has been planned. To be submitted to 11th ExCom Meeting
	Institutional strengthening <i>Institutional strengthening</i>	-	Mar 1993	\$175,000	\$175,000	3 years (1993-1995)	Project document completed, to be signed by Govt. and UNDP in Jul 1993. Funds will be transferred immediately thereafter
MALAYSIA							
Refrigeration	Training in MAC sector <i>Training</i>	-	Jun 1991	\$50,000		1992-End-1993	Expert mission completed (Apr 1993). Implementation will start in Jun 1993
Several	Institutional strengthening in relation to projects on reduction of ozone depleting substances <i>Institutional strengthening</i>	-	Mar 1993	\$322,520	\$322,520	3 years (1993-1995)	Implementation modality discussed during expert mission (Apr 1993). Project document finalized to be signed by the Govt. and UNDP in Jun 1993. Funds will be transferred immediately thereafter
MEXICO							
Halon	Preparatory study on halons, inventory, and proposals for revisions of existing standards <i>Technical assistance</i>	-	Feb 1992	\$25,000	\$15,723	1992-4th quarter 1993	The Govt. sent a proposal for implementation of this project to UNDP, specifying the national expert selected (12 May 1993). First activities implemented (24 May-7 Jun 1993)
Several	Preparation of terms of reference for investment projects identified in the country programme <i>Project preparation</i>	-	Jun 1991	\$50,000	\$29,277	1992-4th quarter 1993	Terms of reference for the first 10 projects have been completed. Govt. requested the same expert to develop each proposal into full-scale project documents
NIGERIA							
Several	National seminar on industry and protection of the ozone layer <i>Training</i>	-	Jun 1991	\$49,650	\$26,449	1991-Nov 1992	Completed. Govt. was pleased with the effectiveness of the seminar Govt. requested delays in the recruitment of national consultants. UNEP also requested six month delay to ensure UNEP participation
N/A	Not available	-	Not applicable				Page 20

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Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Several	Institutional strengthening <i>Institutional strengthening</i>	-	Mar 1993	\$300,000	\$300,000	3 years (1993-1995)	Project document completed. To be signed by the Govt. and UNDP in Jun 1993. Funds will be transferred immediately thereafter
PHILIPPINES							
Refrigeration	Training programme in the refrigeration sector <i>Training</i>	-	Jun 1991	\$64,000	\$62,297	1992	Completed. Five training courses and one seminar completed (2nd quarter 1992)
Several	Country programme preparation <i>Country programme</i>	-	Oct 1992	\$84,820	\$60,000	1992-Jun 1993	Country programme completed (Apr 1993). Submitted for consideration to the 10th ExCom Meeting
SRI LANKA							
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$35,000	\$35,000	1992-4th quarter 1993	National consulting firm undertaking ODS survey (Jun-1993). CPG formulation will start immediately thereafter (end-1993). To be submitted to 12th ExCom Meeting A one year delay was caused by disagreement over the national lead agency
THAILAND							
Several	Training of government technical staff <i>Training</i>	-	Jun 1991	\$50,000		1991-Dec 1992	Completed
	Institutional strengthening of the Ozone Layer Protection Unit <i>Institutional strengthening</i>	-	Mar 1993	\$400,000	\$400,000	3 years (1993-1995)	Project document completed and awaiting signature by the Govt. and UNDP. Funds will be immediately transfer thereafter
TRINIDAD AND TOBAGO							
Several	Training of Government technical staff and preliminary work on country programme <i>Training</i>	-	Jun 1991	\$53,800	\$25,000	1993	Refrigeration training and demonstration projects requested by Govt. (Mar 1993). Training activities will be specified in CPG Delay due to abolition of the Ministry of Environment (Dec 1991), lack of national counterpart and change of programme priority

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Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$25,000	\$14,000	1992-1st quarter 1994	Govt. selected CARIRI as the consulting body in association with UNEP (Mar 1993). Agreement between CARIRI and UNDP finalized. CPG formulation to start in Jun 1993. To be submitted to 12th ExCom Meeting
URUGUAY							
Several	Consultant mission to assess technical assistance requirement <i>Technical assistance</i>	-	Jun 1991	\$13,050	\$9,461	1991-Oct 1992	Completed
	Country programme preparation <i>Country programme</i>	-	Oct 1992	\$27,000	\$9,688	1992-1993	Country programme completed (Apr 1993). Submitted for consideration to the 10th ExCom Meeting
VENEZUELA							
Halon	Workshops for the recycling and banking of halons <i>Technical assistance</i>	-	Mar 1993	\$26,800	\$1,632	1993-1st quarter 1994	A national expert attended the Halon Alternatives Workshop, New Mexico, USA (11-13 May 1993). This will directly assist in the design of the agenda and implementation of the workshops
Refrigeration	Technical assistance and training of servicing technicians in the refrigeration sector <i>Training</i>	-	Jun 1991	\$30,000	\$19,020	1991-Jun 1992	Completed
	Workshops for identification of projects in the refrigeration and air conditioning sector <i>Project preparation</i>	-	Mar 1993	\$19,800		1993	A refrigeration and air conditioning seminar was held during 12-14 May 1993
	Workshops on conversion and installation of new central air conditioning systems using non-ODS <i>Technical assistance</i>	-	Mar 1993	\$39,600		1993-1st quarter 1994	Implementation details being finalized with the Govt.
	Pilot programme in recovery and recycling of CFC-12 in domestic refrigeration <i>Technical assistance</i>	8	Mar 1993	\$100,000		1993-1st quarter 1994	Implementation details being finalized with the Govt.
Several	Institutional strengthening of FONDOIN <i>Institutional strengthening</i>	-	Oct 1992	\$329,192		1993-1995	Disbursement schedule has been finalized. The project document will be signed by the Govt. and UNDP. Funds will be transferred immediately thereafter
N/A	Not available	-	Not applicable				Page 22

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Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
REGION: AFR							
Foam	Low-CFC foam training and demonstration programme in the Middle East/Africa Training	-	Feb 1992	\$52,500		1992-End 1993	To be held in Cairo, Egypt, Oct 1993
Refrigeration	Training and demonstration programme in commercial/industrial refrigeration in West Africa (French) Training	-	Feb 1992	\$40,000		1992 1st quarter 1994	Change of implementing agency (from UNDP to UNEP) under consideration UNDP and UNEP agreed to jointly implement the project. Since funds transfer to UNEP is not legally feasible by UNDP, it is requesting the ExCom to remove this activity from its work programme and designate UNEP as the implementing agency
	Training and demonstration programme in commercial/industrial refrigeration in Africa (English-speaking countries) Training	-	Feb 1992	\$40,000		1992 1st quarter 1994	Change of implementing agency (from UNDP to UNEP) under consideration UNDP and UNEP agreed to jointly implement the project. Since funds transfer to UNEP is not legally feasible by UNDP, it is requesting the ExCom to remove this activity from its work programme and designate UNEP as the implementing agency
REGION: ASP							
Foam	Low-CFC foam training and demonstration programme in Asia Training	-	Feb 1992	\$52,500		1993-1st quarter 1994	Workshop venue to be decided
Refrigeration	Training and demonstration programme in commercial/industrial refrigeration in East Asia Training	-	Feb 1992	\$40,000		1992 1st quarter 1994	Change of implementing agency (from UNDP to UNEP) under consideration UNDP and UNEP agreed to jointly implement the project. Since funds transfer to UNEP is not legally feasible by UNDP, it is requesting the ExCom to remove this activity from its work programme and designate UNEP as the implementing agency
	Two training and demonstration programmes in CFC recycling in MAC in Asia Training	-	Feb 1992	\$45,000		1992-2nd quarter 1994	To start in mid-1993 UNDP has not yet recruited a suitable qualified MAC sector expert

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Refrigeration	Training and demonstration programme in commercial/industrial refrigeration in South Asia <i>Training</i>	-	Feb 1992	\$40,000		1992 1st quarter 1994	Change of implementing agency (from UNDP to UNEP) under consideration UNDP and UNEP agreed to jointly implement the project. Since funds transfer to UNEP is not legally feasible by UNDP, it is requesting the ExCom to remove this activity from its work programme and designate UNEP as the implementing agency
REGION: LAC							
Foam	Low-CFC foam training and demonstration programme in Latin America <i>Training</i>	-	Feb 1992	\$52,500		1993-1st quarter 1994	Workshop venue to be decided
Halon	Training and demonstration programmes in halon reduction in Latin America <i>Training</i>	-	Feb 1992	\$60,000		1992-1st quarter 1994	To be held in 1st quarter 1994 US EPA requested to hold the workshop in early 1994
Refrigeration	Two training and demonstration programmes in CFC recycling in MAC in Latin America <i>Training</i>	-	Feb 1992	\$45,000		1992-2nd quarter 1994	To start in mid-1993 UNDP has not yet recruited a suitable qualified MAC sector expert
	Training and demonstration programme in commercial/industrial refrigeration in Latin America <i>Training</i>	-	Feb 1992	\$40,000		1992	Completed. Training programme held in Mexico City, 27-28 July 1992
GLOBAL							
Aerosol	Technical assistance in aerosol sector <i>Technical assistance</i>	-	Feb 1992	\$60,000		1992-2nd quarter 1994	Advisory services provided to China, India, Indonesia, Jordan and Malaysia. Other countries are being assisted on request
Foam	Technical assistance in flexible polyurethane foam sector <i>Technical assistance</i>	-	Feb 1992	\$40,000		1992-1st quarter 1994	Training/technical advice provided to China, Egypt, Indonesia, Jordan, Malaysia, and Philippines. Other countries assisted on request. Advisory services to Ghana, India and Thailand are planned

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Foam	Technical assistance in rigid polyurethane foam sector <i>Technical assistance</i>	-	Feb 1992	\$60,000		1992-1st quarter 1994	Advisory services provided to China, Egypt, Indonesia, Jordan, Malaysia and the Philippines. Other countries are being assisted on request. Advisory services to Ghana, India and Thailand are planned
Halon	Procurement of 40 halon recycling machines for demonstration <i>Demonstration</i>	-	Feb 1992	\$250,000	\$168,800	1992-3rd quarter 1993	Procurement of equipment completed. In process of specifying compressor units based on specific country needs
	Global halon project <i>Technical assistance</i>	-	Oct 1992	\$390,000		1993-4th quarter 1994	Programme implementation details finalized (Apr 1993). Provision of technical assistance and information on alternatives and available technologies under preparation in six countries
	Technical assistance in halons <i>Technical assistance</i>	-	Feb 1992	\$70,000		1992 1st quarter 1994	Advisory services provided to China, Egypt and Malaysia. Other countries are being assisted on request. Advisory services are planned to India, Indonesia and Thailand
	Training and demonstration programmes in halon reduction in the Middle East <i>Training</i>	-	Feb 1992	\$60,000		1992-1993	To be held in Cairo, Oct 1993
Refrigeration	Two training and demonstration programmes in CFC recycling in MAC in the Middle East <i>Training</i>	-	Feb 1992	\$45,000		1992-4th quarter 1994	To start in mid-1993 UNDP has not yet recruited a suitable qualify MAC sector expert
	Global MAC project <i>Technical assistance</i>	-	Oct 1992	\$360,000		1993-4th quarter 1994	A first project has been identified (retrofit demonstration trial in China (\$34,000). Other projects under development
	Technical assistance in MAC <i>Technical assistance</i>	-	Feb 1992	\$50,000		1992-1st quarter 1994	To start in Jun 1993. Missions on request by China, Malaysia and Thailand UNDP has not yet recruited a suitable qualified MAC sector expert
	Technical assistance in refrigeration sector <i>Technical assistance</i>	-	Feb 1992	\$90,000		1992-1st quarter 1994	Training/technical advice provided to Chile, China, Ghana, Kenya, Malaysia, Mexico, Nigeria and Venezuela. Other countries assisted on request. Expert is responsible for non-administrative training at 5 regional refri. workshops (implemented by UNEP)

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Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Refrigeration	Training and demonstration programme in commercial/industrial refrigeration in the Middle East <i>Training</i>	-	Feb 1992	\$40,000		1992 1st quarter 1994	Change of implementing agency (from UNDP to UNEP) under consideration UNDP and UNEP agreed to jointly implement the project. Since funds transfer to UNEP is not legally feasible by UNDP, it is requesting the ExCom to remove this activity from its work programme and designate UNEP as the implementing agency
Solvent	Technical assistance in solvents <i>Technical assistance</i>	-	Feb 1992	\$50,000		1992-4th quarter 1993	Advisory services provided to China, India, Indonesia, Malaysia and Thailand. Other countries are being assisted on request
Several	Three national policy workshops <i>Training</i>	-	Feb 1992	\$45,000		1992-4th quarter 1993	To be implemented in second-half 1993
	Two study-tours for officials and industry representatives <i>Training</i>	-	Feb 1992	\$50,000		1992-4th quarter 1993	Study tour details being finalized. To be implemented in second-half 1993
	Participation at workshops <i>Training</i>	-	Feb 1992	\$140,000	\$116,227	1992-4th quarter 1993	33 participants funded at key regional/international meetings. Remaining funds to be used by Oct 1993

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
ALGERIA							
Several	Country programme preparation <i>Country programme</i>	-	Mar 1993	\$15,000		Mar-Jun 1993	Country programme completed (May 1993). Submitted for consideration to the 10th ExCom Meeting
BARBADOS							
Several	Country programme preparation <i>Country programme</i>	-	Mar 1993	\$30,000		End-1993	Newly approved
BOTSWANA							
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$40,000		1992-1993	First mission being arranged. To be completed by end 1993.
BURKINA FASO							
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$30,000		1992-1993	Second CPG draft under review by UNEP. To be submitted to 11th ExCom Meeting
CAMEROON							
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$30,000		1992-Jun 1993	Country programme completed (May 1993). Submitted for consideration to the 10th ExCom Meeting
FIJI							
Several	Country programme preparation <i>Country programme</i>	-	Jun 1991	\$25,000		1991-Jun 1992	Country programme completed (Jan 1993). Submitted for consideration to the 10th ExCom Meeting
GAMBIA							
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$30,000		1992-Mid-1993	Contact with Govt. established. First mission being arranged
N/A	Not available	-	Not applicable				

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
GHANA							
Refrigeration	Implementation of train the trainer programme and national demonstration programme <i>Training</i>	-	Mar 1993			2nd quarter 1993	Planning and co-ordination started
Several	Country programme preparation <i>Country programme</i>	-	Jun 1991	\$25,000		1991-1992	Completed. Country programme approved at 8th ExCom Meeting
GUATEMALA							
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$30,000		1992-1993	Country programme completed (May 1993). Submitted for consideration to the 10th ExCom Meeting
KENYA							
Refrigeration	Support to a national workshop on refrigeration <i>Training</i>	-	Mar 1993			4th quarter 1993	Planned in co-ordination with UNDP. Funds are being transferred from UNDP
MALAWI							
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$30,000		1992-1993	Second mission completed. Draft CPG under preparation
MALAYSIA							
Halon	Support to a sub-regional workshop on halon and halon bank management <i>Training</i>	-	Mar 1993	\$80,000		N/A	Workshop schedule for Dec 1993. Co-ordination with UNEP/ROAP underway
MALDIVES							
Several	Country programme preparation <i>Country programme</i>	-	Jun 1991	\$25,000		1991-1992	Country programme completed (Jan 1993). Submitted for consideration to the 10th ExCom Meeting
N/A	Not available	-	Not applicable				

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
MAURITIUS							
Several	Complement for country programme preparation <i>Country programme</i>	-	Mar 1993	\$10,000		Mar 1993-Jun 1993	Country programme completed (May 1993). Submitted for consideration to the 10th ExCom Meeting
PAKISTAN							
Several	Country programme preparation <i>Country programme</i>	-	Mar 1993	\$60,000		1993	Newly approved
PANAMA							
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$30,000		1992-Jun 1993	Country programme completed (May 1993). Submitted for consideration to the 10th ExCom Meeting
SYRIAN ARAB REPUBLIC							
Several	Country programme preparation <i>Country programme</i>	-	Jun 1991	\$25,000		1991-1992	Country programme completed (May 1993). Submitted for consideration to the 10th ExCom Meeting
TOGO							
Several	Country programme preparation <i>Country programme</i>	-	Feb 1992	\$30,000		1992-1993	Held up due to internal problems
UGANDA							
Several	Country programme preparation <i>Country programme</i>	-	Jun 1991	\$25,000		1991-1993	Held up (wrong account number provided for fund transfer). Expected submission to Govt. depends on transfer of funds
ZAMBIA							
Several	Country programme preparation <i>Country programme</i>	-	Jun 1991	\$25,000		1992-1992	Completed. Country programme approved at 8th ExCom Meeting
	Institutional strengthening <i>Institutional strengthening</i>	-	Mar 1993	\$75,600		2 years (1993-1994)	First mission planned (pending signature of contract)
N/A	Not available	-	Not applicable				

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
ZIMBABWE							
Several	Country programme preparation <i>Country programme</i>	-	Mar 1993	\$40,000		N/A	Newly approved
REGION: AFR							
Refrigeration	Regional training course on refrigeration for Africa <i>Training</i>	-	Feb 1992			Dec 1992	Completed. Workshop held in Nairobi, Kenya
Several	Regional workshop for Africa <i>Training</i>	-	Feb 1992	\$240,000		Dec 1992	Completed. Workshop held in Nairobi, Kenya
REGION: ASP							
Refrigeration	Refrigeration training workshop for Asia and the Pacific <i>Training</i>	-	Mar 1993	\$90,000		1993-Jan 1994	Co-ordination with UNEP/ROAP underway. Workshop schedule for Jan 1994
Several	Regional workshop for Asia and the Pacific region <i>Training</i>	-	Jun 1991	\$246,000		Nov 1991	Completed. Workshop held in Jontien, Thailand
REGION: LAC							
Several	Regional workshop for Latin America and the Caribbean <i>Training</i>	-	Jun 1991	\$246,000		May 1992	Completed. Workshop held in Caracas, Venezuela
	Support to regional network for OzonAction/ODS focal points <i>Technical assistance</i>	-	Mar 1993	\$130,000		1 year	Co-ordination with UNEP/ROLAC underway. First workshop schedule for 4th quarter 1993
GLOBAL							
Aerosol sector	Preparation of training material for aerosol sector <i>Technical assistance</i>	-	Mar 1993	\$40,000		1 year	Terms of reference finalized. Experts in charge have been identified
N/A	Not available	-	Not applicable				Page 30

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Aerosol	Aerosol training workshop <i>Training</i>	-	Mar 1993	\$90,000		4th quarter 1993	Planning and organization underway. Contract for consultant finalized
Halon	International halon bank clearing-house function <i>Technical assistance</i>	-	Mar 1993	\$100,000		1 year	Newly approved
Refrigeration	Preparation of training material for refrigeration sector <i>Technical assistance</i>	-	Mar 1993	\$160,000		1 year	Terms of reference finalized. Experts in charge have been identified
Several countries	Regional workshop for Arabic speaking countries <i>Training</i>	-	Jun 1991	\$246,000		Dec 1991	Completed. Workshop held in Cairo, Egypt
	Information exchange and technology transfer <i>Technical assistance</i>	-	Jun 1991	\$526,000		1.5 years (1991-1992)	Information gathered, analyzed and accessed into the computerized system. Technical brochures have been prepared and distributed
	OzonAction Information Clearing-house <i>Technical assistance</i>	-	Feb 1992	\$430,000		1 year (1992)	On-line system in place since Aug 1992. Responses to more than 700 queries provided. Mailing list holds more than 2470 users
	Preparation of technical documents and newsletter <i>Technical assistance</i>	-	Feb 1992	\$320,000		1 year (1992)	Seven technical brochures and six issues of OzonAction newsletter have been published and distributed
	Information Exchange Clearing-house System <i>Technical assistance</i>	-	Mar 1993	\$705,000		1 year	First diskette version in Jun 1993
	Support to networking activities <i>Technical assistance</i>	-	Mar 1993	\$30,000		1 year	Newly approved
	Support to other national training activities <i>Training</i>	-	Mar 1993	\$50,000		N/A	Participation at the Global Technology Partnership Conference (UK, Mar 1993) 4th International Energy Agency Heat Pump Conference (Netherlands, Apr 1993). Support participants to International Conference on CFC and Halon Alternatives (China, Apr 1993)
	Development of a training strategy <i>Training</i>	-	Mar 1993	\$100,000		1 year	Newly approved

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Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
BRAZIL							
Foam	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$150,000		6 months	A project identification/formulation meeting is planned for Jun 1993
CHINA							
Several	Preparation of investment projects <i>Project preparation</i>	N/A	Mar 1993	\$150,000		3 years	Expert has been identified. A firms project identification/formulation mission has been completed (May 1993)
EGYPT							
Several	Development of a strategy in refrigeration and foam sectors <i>Project preparation</i>	-	Mar 1993	\$100,000	\$20,000	3 months	Mission completed. A draft national strategy paper will be finalized in Jun 1993
IRAN							
Refrigeration	Preparation of investment projects <i>Project preparation</i>	-	Mar 1993	\$50,000		3 months	Consultant under recruitment. Project will be submitted to 11th ExCom Meeting
SYRIAN ARAB REPUBLIC							
Several	Preparation of investment projects <i>Project preparation</i>	N/A	Mar 1993	\$35,000		6 months	Consultant under recruitment. Project will be submitted to 11th ExCom Meeting

Australia

Consolidated 1993 Progress Report
Part II: Bilateral Activities
as at May 1993

Country Sector	Project title/ <i>Project type</i>	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
REGION: ASP							
Several	Support to ASEAN regional conference on CFC and halons <i>Training</i>	-	Oct 1992	\$4,420		Mar 1992	Completed
	Support for delegates from six Asian countries to participate in regional workshop on alternatives to CFC <i>Training</i>	-	Jun 1992	\$34,974		Mar 1992	Completed. Workshop held in Canberra, Australia

Germany

Consolidated 1993 Progress Report
Part II: Bilateral Activities
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Country Sector	Project title/ <i>Project type</i>	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
GLOBAL							
Several	Support to attend the Alternatives to CFC and Halons Technologies and Substances conference <i>Training</i>	-	Jun 1992	\$18,378		Feb 1991	Completed
N/A	Not available	-	Not applicable				Page 2

US EPA

Consolidated 1993 Progress Report Part II: Bilateral Activities as at May 1993

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
CHINA							
Several	CFC and halon alternatives conference and workshop <i>Training</i>	-	Oct 1992	\$87,000	\$78,000	Jun 1992-Apr 1993	Completed
ECUADOR							
Aerosol	Technical assistance in aerosol project preparation <i>Project preparation</i>	-	Oct 1992	\$6,000	\$6,000	Mar-Apr 1992	Completed
Foam	Feasibility study for reduction of CFC-11 in rigid polyurethane foam insulation for refrigerators using water/CO2 formulation <i>Project preparation</i>	-	Oct 1992	\$41,000	\$51,000	Oct 1991-Mar 1993	Completed. Assisted in the preparation of World Bank's project proposal approved at the 9th ExCom Meeting
Several	Support for country programme preparation <i>Country programme</i>	-	Jun 1992	\$50,000		1991	Completed. Country programme approved at the 6th ExCom Meeting
	Support for country programme implementation <i>Country programme</i>	-	Oct 1992	\$6,000		Oct 1991-Feb 1992	Completed
MEXICO							
Refrigeration	Chiller hands-on training <i>Training, demonstration</i>	-	Oct 1992	\$81,000	\$81,000	Jan 1992-Aug 1992	Completed
Solvent	Mexican solvents programme to reduce CFC-113 and methyl chloroform <i>Training, project preparation</i>	21	Oct 1992	\$360,000	\$356,000	Oct 1991-Mar 1993	Completed. Workshops held. Funding applications to preparation
Several	Assistance to country programme and investment projects preparation <i>Country programme</i>	-	Oct 1992	\$28,000	\$28,000	1991-1992	Completed
	Support for country programme preparation and development of project proposals <i>Project preparation</i>	-	Jun 1992	\$145,000	\$145,000	1991-1992	Completed

US EPA

Consolidated 1993 Progress Report
Part II: Bilateral Activities
as at May 1993

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Several	Institutional strengthening <i>Institutional strengthening</i>	-	Jun 1992	\$285,000	\$186,000	1992-1994	Ongoing activities: hired 3 full-time staff, established office communications infrastructure, staff have supported 6 workshops, helped to negotiate World Bank agreements, responded to several inquiries, developing ODS reduc. legislation, consum database
THAILAND							
Solvent	Follow-up activities of the USA/Thailand/Japan conference on conservation, containment and alternatives <i>Technical assistance</i>	-	Oct 1992	\$203,000	\$108,000	1992	Draft technical manual on eliminating the use of ODS in aircraft maintenance procedures has been completed.
VENEZUELA							
Refrigeration	Technical assistance and demonstration project in CFC recycling in MAC <i>Demonstration</i>	-	Oct 1992	\$115,000	\$30,000	Oct 1992-Mar 1993	Information gathered on regulations in other countries, on MAC recovery/recycling equipment. Technical outline to gather information about the MAC servicing industry and maintenance practice in Venezuela completed. Expert has been hired to prepare study
Several	Country programme preparation <i>Country programme</i>	-	Oct 1992	\$43,000	\$43,000	Dec 1991-Sep 1992	Completed
REGION: ASP							
Halon	South-east Asia halon-1211 training workshop in Japan <i>Training</i>	-	Oct 1992	\$190,000	\$190,000	Mar 1992	Completed
GLOBAL							
Halon	Regional workshops in halon-1211 training <i>Training</i>	-	Oct 1992	\$429,000	\$175,000	Aug 1992-Aug 1993	One workshop held (Beaufort, USA. Sep 1992). The unspent funds will be used for bilateral activities related to the implementation of the global halon project (being jointly implemented with UNDP)

US EPA

Consolidated 1993 Progress Report
Part II: Bilateral Activities
as at May 1993

Country Sector	Project title/ Project type	ODS to be phased-out	Date of approval	Approved funding	Funds disbursed	Time frame	Status of implementation
Halon	Follow-up to regional halon-1211 workshop <i>Demonstration</i>	-	Oct 1992	\$80,000	\$14,000	Aug 1992-Aug 1993	Developed a strategy to assess use of halon and deploy halon recovery/recycling machines. Translation of operations manual into Spanish and an ozone depletion information videotape. Future activities involve implementation of strategy in Art. 5 countries