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

Ninth Meeting
Montreal, 8-10 March 1993

CONSOLIDATED 1992 PROGRESS REPORT

OVERVIEW

1. The Consolidated 1992 Progress Report was prepared to clarify the status of projects and activities approved by the Executive Committee. The document was developed by the Fund Secretariat in co-operation with the implementing agencies and Parties using bilateral assistance to count as partial contributions to the Fund. Part I is presented by implementing agency and Part II by Party involved in bilateral assistance.
2. The tables are organized by recipient Article 5 Party, ozone depleting substance (ODS) industrial sector, and project title. Each table includes information concerning the: amount of ODS to be phased out, estimated cost, date of approval, time frame for implementation, project type and project status. All information provided in the tables is derived from project proposals, decisions taken by the Committee, and data provided by the implementing agency or Party. The estimated cost of the activity only reflects the amounts approved at the time of the request. The actual amount spent, for example, on country programme preparation or project preparation, may differ from the estimated amount.
3. The date of approval corresponds to the date of the Executive Committee meeting at which the project was approved. The term "time frame" corresponds to the amount of time expected for project implementation from date of Committee approval. Projects/activities are classified into the following categories of project types: investment projects, country programmes, project preparation, training projects, demonstration projects, technical assistance, and institutional strengthening.
4. The last column of the tables provides the most current information on project status. Remarks presented under this category are provided by the pertinent implementing agency or Party.
5. In summarizing progress to-date, the following observations can be made. Since the establishment of the Fund, the Executive Committee has approved over 150 activities in 40 Article 5 countries. Funds have been approved for the completion of 30 investment projects and nine demonstration projects. When implemented, these projects will lead to the elimination of over 31,000 tonnes of ODS. Although no project has been completely implemented, four demonstration projects, three engineering projects¹, and three investment projects are currently in the implementation phase with grant agreements/project documents having been signed.
6. Thus far, nine country programmes have been approved, eight training programmes have been conducted, and three 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. Ongoing activities include the 39 investment/demonstration projects mentioned above as well as country programme or project preparation activities in over 30 countries.

¹This includes US \$1.5 million for the project preparation advance for China.

CONSOLIDATED 1992 PROGRESS REPORT

PART I:

IMPLEMENTING AGENCY ACTIVITIES

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
ARGENTINA							
Several	Country programme preparation	-	\$149,337	Feb 1992	1993	Country programme	Initial reconnaissance mission for Feb 1993
BRAZIL							
Refrigeration	Assembly line refitting for HFC-134a refrigerator compressor, commercial production	N/A	\$530,000	Jun 1992	3 years (1992-1995)	Investment	To start in 1993
	CFC-12 collection, recycling and conservation programme for household refrigerator maintenance and repair shops	N/A	\$2,000,000	Jun 1992	3 years (1992-1995)	Demonstration (phase I), investment (phase II)	Pilot stage will be presented to ExCom (date not specified)
	Project preparation on converting CFC-11 central air conditioning units with HCFC-123 or HFC-134a	-	\$400,000	Jun 1992	N/A	Project preparation	N/A
Several	Country programme preparation	-	\$123,788	Feb 1992	Mid-1993	Country programme	Government has lead completion (May 1993)
CHILE							
Several	Implementation of the country programme	729	\$1,206,000	Jun 1992	1993-1996	Investment, training	Agreement to be signed in Mar 1993
	Country programme preparation	-	\$121,166	Jun 1991	1 year (1991-1992)	Country programme	Country programme approved by 7th ExCom Meeting
	Preparation of investment projects	-	\$191,878	Feb 1992	1992	Project preparation	5 sub-components have been processed
CHINA							
Aerosol	Project I: Tianjin CFC conversion to LPG propellant	6300	\$2,500,000	Jun 1992	2 years (1992-1994)	Investment	Pre-appraisal mission completed in Sep 1992. Additional funds being requested

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
Aerosol	Project I: Shanghai CFC conversion to LPG propellant	6300	\$1,900,000	Jun 1992	2 years (1992-1994)	Investment	Pre-appraisal mission completed in Sep 1992. Additional funds being requested
Foam	Project I: Zhejiang foam plant conversion to butane	500	\$1,042,400	Jun 1992	2 years (1992-1994)	Investment, training	Pre-appraisal mission completed in Sep 1992. Budget reduction anticipated
	Project I: 50% CFC foam	1760	\$1,878,000	Jun 1992	2 years (1992-1994)	Investment, training	Pre-appraisal mission completed (Sep 92). \$480,000 transferred to UNDP. Additional funds being req.
Halon	Project I: Zhejiang halon extinguisher conversion	500	\$797,000	Jun 1992	1.5 years (1992-1993)	Investment	Pre-appraisal mission completed in Sep 1992. Budget reduction anticipated
	Project I: Beijing ABC powder production project	500	\$403,000	Jun 1992	1 year (1992-1993)	Investment	Pre-appraisal mission completed in Sep 1992. Additional funding being requested
Refrigeration	Pre-investment activities for Nanjing compressor and four refrigeration projects	N/A	\$300,000	Oct 1992	1992	Project preparation	PPA being prepared. 5 projects being prepared
Several	Preparation of investment projects	-	\$184,000	Jun 1991	N/A	Project preparation	Funds utilized
	Project preparation advance for developing components of Project I (2 aerosol: Tianjin and Shanghai 2 foam: Zhejiang and 50% CFC foam 2 halon: Zhejiang and Beijing)	-		Jun 1992	N/A	Project preparation	In progress (\$0.25M out of \$1.5M disbursed to Gov). Preparation cost included in each component of Project I
ECUADOR							
Aerosol	Conversion of six aerosol plants from CFC-12 to LPG	290	\$300,000	Feb 1992	1992	Project preparation	Funds not utilized. However, projects have been prepared and being submitted to ExCom

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
Foam	Reduction of CFC-11 use in foam insulation at three refrigerator manufacturing plants	26	\$100,000	Feb 1992	1992	Project preparation	Funds not utilized. However, projects have been prepared and being submitted to ExCom
Several	Country programme preparation	-	\$76,102	Feb 1992	1992	Country programme	Country programme approved by the 6th ExCom Meeting
	Preparation of investment projects	-	\$95,026	Feb 1992	1992	Project preparation	Projects in aerosol and rigid foam sectors have been prepared
EGYPT							
Refrigeration	Conversion of refrigeration compressor manufacturing to HFC-134a at MCMC	324	\$2,800,000	Oct 1992	18 months (1992-1994)	Investment, training	Appraisal mission beginning Apr 1993
Several	Country programme preparation	-	\$68,981	Jun 1991	1991-1992	Country programme	Country programme approved by 8th ExCom Meeting
	Country programme preparation	-	\$27,526	Feb 1992	1991-1992	Country programme	Country programme approved by 8th ExCom Meeting
	Preparation of investment projects	-	\$227,827	Feb 1992	N/A	Project preparation	Funds not utilized. UNDP is implementing agency
GUATEMALA							
Several	Preparation of investment projects	-	\$25,000	Oct 1992	N/A	Project preparation	Pipeline project to be defined 1st quarter 1993
INDONESIA							
Several	Country programme preparation	-	\$54,000	Oct 1992	1 year (92-93)	Institutional strengthening	Funds not utilized. UNDP has lead preparation to begin in early 1993. IBRD will participate

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
IRAN							
Several	Project preparation	-	\$20,000	Feb 1992	N/A	Project preparation	Funds not utilized
JORDAN							
Aerosol	Deodorization of liquified petroleum gas (LPG)	200	\$700,000	Jun 1992	3 years (1992-1994)	Investment	Project appraisal planned for 1st quarter 1993
Foam	Reduction of CFC-11 in rigid insulation foams in domestic and commercial refrigerators	50	\$120,000	Jun 1992	2 years (1993-1994)	Project preparation	Project appraisal planned for 1st quarter 1993
	Reduction of CFC-11 in flexible foam	120	\$30,000	Jun 1992	2 years (1993-1994)	Project preparation	Project appraisal planned for 1st quarter 1993
Refrigeration	Preparation of investment projects in air conditioning, commercial and domestic refrigeration	-	\$550,000	Jun 1992	4 years (1993-1996)	Project preparation	Project appraisal planned for 1st quarter 1993
Several	Country programme preparation	-	\$70,000	Feb 1992	1992	Country programme	Completed. Government review by Mar 1993, to be submitted to ExCom by Jun 1993
	Preparation of investment projects	-	\$24,464	Jun 1991	1991-1992	Project preparation	Completed
	Recovery and recycling of CFC-12 in refrigeration equipment and maintenance procedures and recycling in halon systems	-	\$50,000	Jun 1992	4 years (1993-1996)	Demonstration	Appraisal for 1st quarter 1993
	Policy and monitoring measures	-	\$100,000	Jun 1992	N/A	Institutional strengthening	Appraisal for 1st quarter 1993
MALAYSIA							
Halon	Servicing, maintenance and recovery of portable extinguishers (halon-1211) and training programme	300	\$720,000	Feb 1992	1 year (1992-1993)	Investment	Grant agreement signed (Nov 1992)

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
Refrigeration	Conservation, leakage control and recycling of CFC-12 and demonstration project in MAC sector	370	\$910,000	Feb 1992	1 year (1992-1993)	Investment	Grant agreement signed (Nov 1992)
Several	Country programme preparation	-	\$16,294	Jun 1991	1991-1992	Country programme	Country programme approved by 6th ExCom Meeting
	Preparation of investment projects	-	\$38,289	Jun 1991	2 years (1991-1992)	Project preparation	Assist the Government in initial appraisals of approved projects
	Preparation of investment projects	-	\$120,000	Feb 1992	2 years (1991-1992)	Project preparation	Assist the Government in initial appraisals of approved projects
MEXICO							
Several	Country programme preparation	-	\$36,061	Jun 1991	1991-1992	Country programme	Country programme approved by 6th ExCom Meeting
	Preparation of investment projects	-	\$68,164	Jun 1991	N/A	Project preparation	Pending
	Preparation of investment projects	-	\$292,076	Feb 1992	N/A	Project preparation	Pending
	Implementation of projects identified in the country programme	2050	\$4,000,000	Feb 1992	1992-1996	Investment, training	Grant agreement signed (Dec 1992)
	Safety programme in aerosol plant and recycling training and demonstration project in MAC	800	\$180,000	Jun 1991	Nov 1992	Training, demonstration	Grant agreement signed (Apr 1992). Implementation in progress
NIGERIA							
Several	Country programme preparation	-	\$271,255	Feb 1992	N/A	Country programme	First draft by Sep 1993. Final in Apr 1994
	Preparation of investment projects	-	\$144,078	Feb 1992	N/A	Project preparation	Delayed, subject to country programme preparation

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
PHILIPPINES							
Several	Country programme preparation	-	\$19,952	Jun 1991	N/A	Country programme	Under review. To ExCom by early 1993
	Preparation of investment projects	-	\$100,000	Feb 1992	1992-1993	Project preparation	Completed. Projects proposals to be submitted at 9th ExCom. Meeting
	Controlled substances engineering project	-	\$400,000	Nov 1991	1992-1993	Project preparation	Grant agreement signed (Jun 92). Disbursed \$202,209 to Gov. 10 investment projects being submitted to ExCom in addition to projects identified
THAILAND							
Refrigeration	CFC recycling in MAC	250	\$900,000	Jun 1992	2 years (1992-1994)	Investment	Grant agreement under preparation. Appraisal for Jun 1993
Solvent	Thai-Airways non-ODS metal cleaning	10	\$100,000	Jun 1992	2 years (1992-1994)	Investment	Project feasibility under preparation
Several	Country programme preparation	-	\$30,909	Jun 1991	N/A	Country programme	Draft completed. Government has lead. To be submitted to ExCom in Jun 1993
	Country programme preparation	-	\$160,000	Feb 1992	N/A	Country programme	Draft completed. Government has lead. To be submitted to ExCom in Jun 1993
	Preparation of investment projects	-	\$120,000	Feb 1992	N/A	Project preparation	Underway. Appraisal for Jun 1993
	Controlled substances engineering project	-	\$390,000	Nov 1991	1992-1993	Project preparation	Grant agreement signed in Aug 92. Disbursed \$61,380

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
TRINIDAD AND TOBAGO							
Several	Preparation of investment projects	-	\$86,843	Jun 1991	N/A	Project preparation	N/A
TUNISIA							
Aerosol	Technical seminar and conversion to non-CFC technology in aerosol sector	230	\$350,000	Jun 1992	1993	Investment, training	Appraisal for 2nd quarter 1993 (all components)
Foam	Technical assistance and demonstration of non-CFC technology in flexible foam production	700	\$100,000	Jun 1992	10 months (1993)	Investment, training	Appraisal for 2nd quarter 1993
	Introduction of low-CFC and non-CFC in rigid foams in refrigeration insulation	175	\$300,000	Jun 1992	1993	Investment	Appraisal for 2nd quarter 1993
Refrigeration	Maintenance of domestic, commercial and industrial refrigeration systems	100	\$400,000	Jun 1992	3 years (1993-1996)	Investment	Appraisal for 2nd quarter 1993
	Technical assistance for development of HFC-134a-based domestic refrigerators	60	\$360,000	Oct 1992	2.5 years (1993-1996)	Investment	Appraisal for 2nd quarter 1993
Several	Country programme preparation	-	\$125,000	Feb 1992	1 year (1992-1993)	Country programme	Completed. Government review by Mar 1993. To be submitted to ExCom in Jun 1993
	Preparation of investment projects	-	\$50,000	Feb 1992	1992	Project preparation	Projects submitted for approval by 7th and 8th ExCom Meetings
	Institutional strengthening	-	\$280,000	Oct 1992	3 years (1993-1996)	Institutional strengthening	Appraisal for 2nd quarter 1993
	Preparation of investment projects	-	\$64,748	Jun 1991	1991-1992	Project preparation	Projects submitted for approval by 7th and 8th ExCom Meetings
TURKEY							
Refrigeration	Recovery and recycling of CFC-12 at a refrigeration production plant	4	\$65,000	Jun 1992	N/A	Investment	Project appraisal in 1993

N/A Not available
- Not applicable

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
Refrigeration	Recovery and reclamation of CFC-12 from household refrigerators	-	\$400,000	Jun 1992	1.5 years (1993-1994)	Investment	Project appraisal in 1993
	Introduction of non-ODS technologies in the production of domestic refrigerators at Arcelik A.S.	-	\$4,900,000	Oct 1992	3 years (1993-1996)	Investment	Project appraisal in 1993
Several	Country programme preparation	-	\$13,515	Feb 1992	1992	Country programme	Country programme approved by 8th ExCom Meeting
	Preparation of investment projects	-	\$217,687	Feb 1992	1992	Project preparation	Projects submitted for approval by 7th and 8th ExCom Meetings
	Institutional strengthening	-	\$300,000	Oct 1992	3 years (1993-1995)	Institutional strengthening	Project appraisal for 1st quarter 1993
	Demonstration activities	-	\$500,000	Jun 1992	1 year	Demonstration	Appraisal for 1st quarter 1993
VENEZUELA							
Foam	Conversion of a CFC-12 polystyrene foam production facility to use hydrocarbons as blowing agent	259	\$1,300,000	Jun 1992	1 year (1992-1993)	Investment	Grant agreement with Government to be signed in 1st quarter 1993
Refrigeration	Replacement of CFC by HFC-134a as a refrigerant in central air conditioning units	14	\$1,100,000	Oct 1992	18 months (1993-1994)	Investment	Underway
Several	Country programme preparation	-	\$61,591	Feb 1992	N/A	Country programme	Funds not utilized. IBRD assistance has not been requested
	Preparation of investment projects	-	\$107,058	Feb 1992	N/A	Project preparation	Underway
GLOBAL							
Refrigeration	Global refrigeration project	-	\$60,000	Oct 1992	N/A	Project preparation	Underway
Solvent	Global solvent project	-	\$260,000	Oct 1992	N/A	Project preparation	Underway

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
ARGENTINA							
Several	Country programme assistance (co-ordinated with the World Bank, lead implementing agency)	-	\$25,000	Jun 1991	1991-1993	Country programme	N/A
BANGLADESH							
Several	Reconnaissance survey and training	-	\$55,000	Jun 1991	1991-Mid-1993	Technical assistance	Underway. Completion Apr 1993. After survey, country programme formulation will follow
	Country programme formulation	-	\$25,000	Feb 1992	1992-3rd quarter 1993	Country programme	Underway. Completion for 3rd quarter 1993
BRAZIL							
Refrigeration	Pre-feasibility study for the commercialization of portable CFC-12 recycling equipment for domestic refrigerators	-	\$25,000	Feb 1992	1992-2nd quarter 1993	Feasibility study	Underway. Completion for 2nd quarter 1993
CHILE							
Refrigeration	Demonstration programme for technicians in refrigeration servicing	-	\$25,000	Feb 1992	1992-1993	Demonstration	Underway. Completion for 2nd quarter 1993
CHINA							
Aerosol	Technical assistance for Guangdong aerosols investment project and investigation of non-ODS filling technology and LPG purification	-	\$75,000	Feb 1992	1992-1993	Technical assistance	Underway. To be completed 2nd quarter 1993
Foam	Technical assistance for CFC-11 substitute technology in rigid polyurethane foam	-	\$70,000	Feb 1992	1992-3rd quarter 1993	Technical assistance	To start 2nd quarter 1993
	Technical assistance for a demonstration of CFC-11 substitute technologies in rigid polyurethane foams	-	\$70,000	Feb 1992	1992-1993	Technical assistance	To start 2nd quarter 1993
	Quality control testing on adoption of CFC-11 substitute technology in a production line for home refrigerators	-	\$65,000	Feb 1992	1992-1993	Technical assistance	Specifications of equipment being finalized. Completion for 3rd quarter 1993

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
Foam	Quality control testing for CFC-11 substitute technology in flexible polyurethane foam in domestic refrigeration (implementation tied to World Bank investment project development)	-	\$70,000	Feb 1992	1992-1993	Technical assistance	Underway. Completion for 2nd quarter 1993
	Rigid foam (in co-operation with the World Bank)	440	\$480,000	Jun 1992	N/A	Investment	N/A
Halon	Technical study on halons usage and applications of halons substitutes	-	\$40,000	Feb 1992	1992-1993	Training	Underway. Completion Apr 1993
Refrigeration	Feasibility study on the application of HFC-134a technology in MACs and CFC recycling	-	\$40,000	Feb 1992	1992-1993	Feasibility study	Underway. Completion for 3rd quarter 1993
	Establishment of a training centre for centrifugal chillers and domestic refrigeration service managers and technicians	-	\$75,000	Feb 1992	1992-1993	Training	Planning underway. Completion for 2nd quarter 1993
Solvent	Dalian precision parts cleaning line project	28	\$495,000	Jun 1992	2 years (1992-1994)	Demonstration	Ongoing. Project Document signed by Gov (Jan 1993). Implementation started. Completion Dec 1994
	Dandong electronic tuner aqueous cleaning line	25	\$495,000	Jun 1992	2 years (1992-1994)	Demonstration	Ongoing. Project Document signed by Gov (Jan 1993). Implementation started. Completion Dec 1994
	Pre-feasibility study to phase-out CFC-113 in electronic cleaning in four production lines	-	\$40,000	Feb 1992	1992-1993	Technical assistance	Technical study tour completed. Project preparation underway by Gov. Completion for mid-1993
Several	Establishment of a quality control testing plant for using CFC-12 substitute technology in refrigeration and rigid foams	-	\$70,000	Feb 1992	1992-1993	Technical assistance	In planning stage. Not yet operational. Completion for 3rd quarter 1993
	Establishment of an Information Clearing-house at NEPA	-	\$150,000	Feb 1992	1992-1993	Technical assistance	Ongoing. Information Clearing-house to be fully operational by mid-1993

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*Consolidated 1992 Progress Report
Part I: Implementing Agency Activities*

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
Several	Country programme preparation	-	\$200,000	Feb 1992	1992-1993	Country programme	Approved by Government in Jan 1993. To be submitted to 9th ExCom Meeting
COSTA RICA							
Several	Implementation of country programme	170	\$393,400	Oct 1992	1992-1995	Technical assistance	Discussions underway with Gov. and UNDP Field Office. Start implementation Apr 1993
	Reconnaissance study	-	\$20,000	Feb 1992	1992	Technical assistance	Completed
	Country programme preparation	-	\$20,000	Jun 1991	1992	Country programme	Country programme approved by the 8th ExCom Meeting
CUBA							
Several	Country programme preparation	-	\$22,600	Oct 1992	1993	Country programme	Data survey completed. Country programme formulation underway
ECUADOR							
Refrigeration	CFC refrigerant conversion and material handling training programme (being implemented in co-operation with the World Bank)	-	\$100,000	Feb 1992	1992-1993	Training	Underway. Completion Apr 1993
EGYPT							
Foam	Phase-out of CFC-11 in the manufacturing of flexible polyurethane foam at Misr Foam factory	121	\$497,000	Oct 1992	1993	Investment	UNDP met with MISR Foam in Jan 1993 to finalize project implementation
	Phase-out of CFC-11 in the manufacturing of moulded, flexible, semi-rigid and rigid polyurethane foam at Taki-Vita factory	50	\$294,000	Oct 1992	2 years (1992-1994)	Investment	Implementation pending. 60% funded at 8th ExCom Meeting. Egypt requesting the remaining 40%.

UNDP

Consolidated 1992 Progress Report
Part I: Implementing Agency Activities

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
Foam	Phase-out of CFC-11 in the manufacture of molded polyurethane foams at Technopol Company	55	\$645,000	Oct 1992	2 years (1992-1994)	Investment	UNDP met with company (Jan 1993) to finalize plans. Installation for late 1993. Phase-out by 1994
Refrigeration	Phase-out of CFC in refrigeration at Koldair Company	18	\$272,000	Oct 1992	2 years (1992-1994)	Investment	Implementation pending
Several	Project preparation	-	\$100,000	Oct 1992	1993	Project preparation	3 UNDP mission completed Jan 1993. Several investment projects formulated (\$40,000 remaining)
	Study tours for officials from the Ministry of the Environment, and pre-feasibility study	-	\$126,000	Jun 1991	1991-1992	Training	Completed
GHANA							
Foam	Technical assistance for technology transfer for phase-out of CFC-11 in flexible foam	-	\$85,000	Oct 1992	2 years (1993-1994)	Technical assistance	Implementation planning stage
	ODS elimination in foams	-	\$85,000	Jun 1992	N/A	Technical assistance	Implementation planning stage
Refrigeration	Improved servicing and maintenance in refrigeration sector	-	\$328,000	Oct 1992	3 years (1992-1995)	Technical assistance	Implementation planning stage
	Refrigeration training programme for servicing technicians	-	\$99,000	Jun 1991	1992-1993	Training	Mission in Oct 1992. Being implemented jointly with UNEP. Training programme operational by mid-1993
Several	Institutional strengthening	-	\$160,000	Oct 1992	4 years (1992-1995)	Institutional strengthening	Implementation planning stage

UNDP

Consolidated 1992 Progress Report
Part I: Implementing Agency Activities

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
INDIA							
Several	Assistance in project preparation in all sectors	-	\$113,000	Oct 1992	12 months (1993)	Project preparation	Government is to specify projects to be formulated
	Institutional strengthening	-	\$430,000	Oct 1992	3 years (1993-1995)	Institutional strengthening	Started. National workshop for industry held (28-29 Jan 1993). Implementation underway
INDONESIA							
Several	Country programme preparation	-	\$226,000	Oct 1992	1 year (1993)	Country programme	Finalization of details with Gov. and World Bank (co-operating agency). Start Feb 1993
IRAN							
Several	Study to determine ODS production and consumption of ODS	-	\$30,350	Jun 1991	1991-Mid-1992	Country programme	Completed
	Country programme preparation	-	\$35,000	Feb 1992	1992-1993	Country programme	Draft country programme finalized. To be submitted to 10th ExCom Meeting
	Institutional strengthening	-	\$200,200	Oct 1992	3 years (1993-1995)	Institutional strengthening	Funds received Dec 1992. Implementation under discussion, to start Mar 1993
	Project preparation	-	\$113,000	Oct 1992	1 year (1993)	Project preparation	UNDP discussing projects to be formulated
JORDAN							
Aerosol	Technical assistance and pre-feasibility study in aerosol sector	-	\$29,000	Jun 1991	1991-1992	Technical assistance	Completed

UNDP

*Consolidated 1992 Progress Report
Part I: Implementing Agency Activities*

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
KENYA							
Refrigeration	Demonstration and training unit for maintenance and recharge of refrigeration and air conditioning equipment	-	\$115,100	Jun 1991	1991-1992	Training	Mission completed Nov 1992. Transformed into a joint programme. To be implemented by UNEP/UNDP
Several	Country programme preparation	-	\$25,000	Feb 1992	1992-1993	Country programme	Underway. Completion for 3rd quarter 1993
MALAYSIA							
Refrigeration	Training in MAC sector (being implemented under overall World Bank MAC project. Funds to be transferred to the World Bank)	-	\$50,000	Jun 1991	1992-1993	Training	N/A
MEXICO							
Halon	Preparatory study on halons inventory and proposals for revisions of existing standards	-	\$25,000	Feb 1992	1992-1993	Technical assistance	Implementation pending identification of qualified Spanish speaking expert acceptable to Government
Several	Preparation of terms of reference for 11 investment projects identified in the country programme	-	\$50,000	Jun 1991	1991-1992	Project preparation	Ongoing. National consultant assisting Government
NIGERIA							
Several	National seminar on industry and protection of the ozone layer	-	\$49,650	Jun 1991	Nov 1992	Training	Completed
PHILIPPINES							
Refrigeration	Training programme in the refrigeration sector	-	\$64,000	Jun 1991	Dec 1992	Training	Completed

N/A Not available
- Not applicable

UNDP

*Consolidated 1992 Progress Report
Part I: Implementing Agency Activities*

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
Several	Country programme preparation	-	\$45,000	Oct 1992	1992-1993	Country programme	Ongoing. To be submitted to 10th ExCom Meeting
SRI LANKA							
Several	Country programme preparation	-	\$35,000	Feb 1992	1992-1993	Country programme	Ongoing. National consulting firm undertaking ODS survey. Country programme to follow (end-1993)
THAILAND							
Several	Training of government technical staff	-	\$50,000	Jun 1991	Dec 1992	Training	Completed
TRINIDAD AND TOBAGO							
Several	Training of Government technical staff and preliminary work on country programme	-	\$53,800	Jun 1991	1991-1993	Training	As requested by Gov. activity will switch to CPR. Technical assistance component not yet utilized
	Country programme preparation	-	\$25,000	Feb 1992	1992-1993	Country programme	Additional funds for preparation. Details being finalized. Completion for 4th quarter 1993
URUGUAY							
Several	Consultant mission to assess technical assistance requirement	-	\$13,050	Jun 1991	1991-Mid-1992	Technical assistance	Completed
	Country programme preparation	-	\$27,000	Oct 1992	1992-1993	Country programme	Consultant in Uruguay during Jan 1993. Completion for 2nd quarter 1993

N/A Not available
- Not applicable

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
VENEZUELA							
Refrigeration	Technical assistance and training of servicing technicians in the refrigeration sector	-	\$30,000	Jun 1991	Dec 1992	Technical assistance	Completed
Several	Institutional strengthening	-	\$100,000	Oct 1992	N/A	Institutional strengthening	Implementation delayed pending approval by 9th ExCom Meeting of full funding
REGIONAL							
Foam	Three low-CFC training and demonstration programmes in Latin America, Middle East, Africa and Asia	-	\$157,500	Feb 1992	1992	Training	To be implemented with the assistance of UNEP (4th quarter 1993)
Halon	Procurement of 40 halon recycling machines for demonstration	-	\$250,000	Feb 1992	1992	Demonstration	Underway. Completion for 2nd quarter 1993
	Two training and demonstration programmes in Latin America and the Middle East on halon reduction	-	\$120,000	Feb 1992	1992	Training	To be implemented in collaboration with US-EPA (3rd quarter 1993)
Refrigeration	Six training and demonstration programmes in CFC recycling in MAC in Latin America, the Middle East and Asia	-	\$135,000	Feb 1992	1992	Training	Underway. Completion for 4th quarter 1993
	Six training and demonstration programme in Asia, Africa, Latin America, and the Caribbean in centrifugal chillers	-	\$240,000	Feb 1992	1992	Training	To be implemented in co-operation with UNEP (4th quarter 1993)
GLOBAL							
Aerosol	Technical assistance in aerosol sector	-	\$60,000	Feb 1992	1992-1993	Technical assistance	Underway. Completion for 3rd quarter 1993
Foam	Technical assistance in foam sector	-	\$40,000	Feb 1992	1992-Mid-1993	Technical assistance	Underway. Completion for 2nd quarter 1993

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
Halon	Global halon project	-	\$390,000	Oct 1992	1993-1994	Technical assistance	UNDP discussing implementation modalities with World Bank, US-EPA and other agencies (start Mar 1993)
	Technical assistance in halons	-	\$70,000	Feb 1992	1992-1993	Technical assistance	Underway. Completion for 3rd quarter 1993
Refrigeration	Global MAC project	-	\$360,000	Oct 1992	1993-1994	Technical assistance	UNDP discussing implementation modalities with World Bank (start Apr 1993)
	Technical assistance in MAC	-	\$50,000	Feb 1992	1992-1993	Technical assistance	Underway. Completion for 3rd quarter 1993
	Technical assistance in refrigeration sector	-	\$90,000	Feb 1992	1992-1993	Technical assistance	Underway. Completion for Oct 1993
Solvent	Technical assistance in solvents	-	\$50,000	Feb 1992	1992-1993	Technical assistance	Underway. Completion for Aug 1993
Several	Three national policy workshops	-	\$45,000	Feb 1992	1992-1993	Training	Underway. Completion for Jul 1993
	Two study-tours for officials and industry representatives	-	\$50,000	Feb 1992	1992-Mid-1993	Training	Underway. Completion for May 1993
	Participation at workshops	-	\$140,000	Feb 1992	1992-Mid-1993	Training	Underway. Completion for Jul 1993

UNEP

*Consolidated 1992 Progress Report
Part I: Implementing Agency Activities*

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
BOTSWANA							
Several	Country programme preparation	-	\$30,000	Feb 1992	1992-1993	Country programme	First mission being arranged. To be completed by end 1993
BURKINA FASO							
Several	Country programme preparation	-	\$30,000	Feb 1992	1992-1993	Country programme	Draft being submitted to Government (Feb 1993)
CAMEROON							
Several	Country programme preparation	-	\$30,000	Feb 1992	1992-1993	Country programme	Draft being submitted to Government (Feb 1993)
FIJI							
Several	Country programme preparation	-	\$25,000	Jun 1991	1991-1992	Country programme	To be submitted to ExCom by Jun 1993
GAMBIA							
Several	Country programme preparation	-	\$30,000	Feb 1992	1992-Mid-1993	Country programme	First mission being arranged
GHANA							
Several	Country programme preparation	-	\$25,000	Jun 1991	1991-1992	Country programme	Country programme approved by 8th ExCom Meeting
GUATEMALA							
Several	Country programme preparation	-	\$30,000	Feb 1992	1992-1993	Country programme	Second mission underway. ODS survey completed. Expected submission to Government by Feb 1993

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
MALAWI							
Several	Country programme preparation	-	\$30,000	Feb 1992	1992-1993	Country programme	Second mission underway. Expected submission to Government by Mar 1993
MALDIVES							
Several	Country programme preparation	-	\$25,000	Jun 1991	1991-1992	Country programme	First draft under finalization. Expected submission to Government by Feb 1993
PANAMA							
Several	Country programme preparation	-	\$30,000	Feb 1992	1992-1993	Country programme	Second mission being arranged. ODS survey completed. Expected submission to Government by Feb 1993
SYRIAN ARAB REPUBLIC							
Several	Country programme preparation	-	\$25,000	Jun 1991	1991-1992	Country programme	ODS survey completed. Expected submission to Government by Mar 1993
TOGO							
Several	Country programme preparation	-	\$30,000	Feb 1992	1992-1993	Country programme	Held up due to internal problems

UNEP

*Consolidated 1992 Progress Report
Part I: Implementing Agency Activities*

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
UGANDA							
Several	Country programme preparation	-	\$25,000	Jun 1991	1991-1993	Country programme	Held up (wrong account number provided for fund transfer). Expected submission to Gov. by Apr 1993
ZAMBIA							
Several	Country programme preparation	-	\$25,000	Jun 1991	1992-1992	Country programme	Country programme approved by 8th ExCom Meeting
REGIONAL							
Several	Regional workshop for Asia and the Pacific region	-	\$246,000	Jun 1991	Nov 1991	Training	Workshop completed, held in Jontien, Thailand
	Regional workshop for Arabic speaking countries	-	\$246,000	Jun 1991	Dec 1991	Training	Workshop completed, held in Cairo, Egypt
	Regional workshop for Latin America and the Caribbean	-	\$246,000	Jun 1991	May 1992	Training	Workshop completed, held in Caracas, Venezuela
	Regional workshop for Africa	-	\$240,000	Feb 1992	Dec 1992	Training	Workshop completed, held in Nairobi, Kenya
GLOBAL							
Several	Information exchange and technology transfer	-	\$526,000	Jun 1991	1.5 years (1991-1992)	Technical assistance	Information gathered, analyzed and accessed into the computerized system.
	OzonAction Information Clearing-house	-	\$430,000	Feb 1992	1 year (1992)	Technical assistance	System on-line since Aug 1992. More than 500 queries-response services provided (ongoing)

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
Several	Preparation of documentation and newsletter	-	\$320,000	Feb 1992	1 year (1992)	Technical assistance	Preparation and dissemination of 4 technical brochures and 4 issues of OzonAction newsletter

CONSOLIDATED 1992 PROGRESS REPORT

PART II:

BILATERAL ACTIVITIES

Australia

*Consolidated 1992 Progress Report
Part II: Bilateral Activities*

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
REGIONAL							
Several	Support to ASEAN regional conference on CFC and halons	-	\$4,420	Oct 1992	Mar 1992	Training	Completed
	Support for delegates from six Asian countries to participate in regional workshop on alternatives to CFC	-	\$34,974	Jun 1992	Mar 1992	Training	Workshop completed, held in Canberra, Australia

Germany

*Consolidated 1992 Progress Report
Part II: Bilateral Activities*

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
GLOBAL							
Several	Support to attend the Alternatives to CFC and Halons Technologies and Substances conference	-	\$18,378	Jun 1992	Feb 1991	Training	Completed

US EPA

Consolidated 1992 Progress Report
Part II: Bilateral Activities

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
CHINA							
Several	CFC and halon alternatives conference and workshop	-	\$87,000	Oct 1992	Jun 1992-Apr 1993	Training	Agenda set, speakers lined up, papers submitted
ECUADOR							
Aerosol	Technical assistance in aerosol project preparation	-	\$6,000	Oct 1992	Mar-Apr 1992	Project preparation	Completed
Foam	Feasibility study for reduction of CFC-11 in rigid polyurethane foam insulation for refrigerators using water/CO2 formulation	-	\$41,000	Oct 1992	Oct 1991-Sep 1992	Project preparation	Completed. Proposal being submitted to 9th ExCom Meeting
Several	Support for country programme preparation	-	\$50,000	Jun 1992	1992	Country programme	Completed. Country programme approved by the 6th ExCom Meeting
	Support for country programme implementation	-	\$6,000	Oct 1992	Oct 1992-Feb 1993	Country programme	Completed
MEXICO							
Refrigeration	Chiller hands-on training	-	\$81,000	Oct 1992	1992	Training, demonstration	Completed
Solvent	Mexican solvents programme to reduce CFC-113 and methyl chloroform	21	\$360,000	Oct 1992	15 months (1991-1992)	Training, project preparation	Two workshops held. Company specific action plans in preparation
Several	Assistance to country programme and investment projects preparation	-	\$28,000	Oct 1992	1991-1992	Country programme	Completed
	Support for country programme preparation and development of project proposals	-	\$145,000	Jun 1992	1991-1992	Project preparation	Completed
	Institutional strengthening	-	\$285,000	Jun 1992	1992-1994	Institutional strengthening	On-going

N/A Not available
- Not applicable

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*Consolidated 1992 Progress Report
Part II: Bilateral Activities*

Country Sector	Project title	ODS to be phased-out	Estimated cost	Date of approval	Time frame	Type of project	Status
THAILAND							
Solvent	Follow-up activities of the USA/Thailand/Japan conference on conservation, containment and alternatives	-	\$203,000	Oct 1992	1992	Technical assistance	Follow-up work continuing
VENEZUELA							
Refrigeration	Technical assistance and demonstration project in CFC recycling in MAC	-	\$115,000	Oct 1992	Oct 1992-Mar 1993	Demonstration	Assistance initiated
Several	Country programme preparation	-	\$43,000	Oct 1992	Dec 1991-Sep 1992	Country programme	Completed
REGIONAL							
Halon	Workshops in Latin America, Middle East and Northern Africa on halon-1211 recycling and training	-	\$429,000	Oct 1992	Aug 1992-Aug 1993	Training	One workshop held (Beaufort, USA, Sep 1992). Ongoing work to be integrated with global halon project
	Follow-up to regional halon-1211 workshop	-	\$80,000	Oct 1992	Aug 1992-Aug 1993	Demonstration	Ongoing
	South-east Asia halon-1211 training workshop in Japan	-	\$190,000	Oct 1992	Mar 1992	Training	Completed