



**United Nations
Environment
Programme**



Distr.
LIMITED

UNEP/OzL.Pro/ExCom/17/20/Add.1
1 July 1995

ORIGINAL: ENGLISH

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

Seventeenth Meeting
Montreal, 26-28 July 1995

COUNTRY PROGRAMME: LEBANON

This document consists of:

- Comments and Recommendations of the Fund Secretariat
- Country Programme Evaluation Sheet (prepared by the Fund Secretariat)

COMMENTS AND RECOMMENDATIONS OF THE FUND SECRETARIAT

COMMENTS

1. The Country Programme conforms to the format of the approved guidelines. The Country Programme includes a project proposal for the establishment of the Ozone Unit within the Ministry of the Environment (institutional strengthening).
2. About 79 per cent of the total consumption of ODS (1,056.6 ODP tonnes) is in the refrigeration (48 per cent) and aerosol (31 per cent) sectors. Of the total amount used in the refrigeration sector (569.9 tonnes), 77 per cent is used for servicing existing equipment.
3. The proposed action plan by the Government is targeted towards a complete phase out in the consumption of ODS in aerosol, foam and commercial and industrial refrigeration manufacturing plants by the end of 1998. It will receive institutional support from the Government and other national agencies and will be supported with legislation banning imports of controlled substances or equipment and appliances containing ODS by 1996, training and technical assistance programmes, replacement to non-ODS technologies and awareness and education campaigns, adequate regulations during the transition period.
4. An amount of US \$217,000 is being requested for the creation of the Ozone Office under the Ministry of Environment. It will provide the financial, administrative and technical assistance to the Government.
5. The Government of Lebanon is submitting, for the consideration of the Executive Committee at its Seventeenth Meeting, two investment projects on the conversion of two aerosol manufacturing plants, which will lead to elimination of 300 tonnes of CFCs.

RECOMMENDATIONS

6. The Fund Secretariat recommends as follows:
7. To approve the Lebanon Country Programme. Approval of the Country Programme does not denote approval of the projects identified therein or their funding levels.
8. In accordance with the Executive Committee decision on implementation of country programmes (UNEP/OzL.Pro/ExCom/10/40, para 135), to request the Government of Lebanon to provide information on the progress of implementation of the country programme within one year of its approval, and annually each subsequent year.
9. To approve the amount of US \$217,000 and US \$28,210 support costs for institutional strengthening. The activity to be included in UNEP's 1995 Work Programme.

LEBANON COUNTRY PROGRAMME EVALUATION SHEET

National Implementing Agency: Ozone Unit, Ministry of the Environment

Status of ratification of the Vienna Convention and the Montreal Protocol

	Signature	Ratification	Entry Force
Vienna Convention (1985)		30/Mar/93	28/Jun/93
Montreal Protocol (1987)		30/Mar/93	28/Jun/93
London Amendment (1990)		31/Mar/93	29/Jun/93
Copenhagen Amendment (1992)			

Production of controlled substances: 0 metric tonnes (mt)

Consumption of controlled substances (1993): 1,050.9 metric tonnes
(excluding methyl bromide) 1,056.6 weighted tonnes (ODP)

Substance (ton)	CFC						Halon			Solvents			M-Br
	11	12	113	114	115	Total	1211	1301	Total	CTC	MCF	Total	
ODS	179.0	843.5		12.5	10.8	1,045.8	5.0		5.0	0.1			0.1
ODP	179.0	843.5		12.5	6.5	1,041.5	15.0		15.0	0.1			0.1

Source: Country Programme (1995)

Distribution of ODP by substance:

CFC: 98.6% Halon: 1.4% CTC, MCF:

Distribution of ODP by sector:

Sector:	Aerosol	Foam	Halon	Refrig.	Solvent
Consumption (tonnes):	328.6	143.0	15.0	569.9	0.1
Percent of total:	31.1%	13.5%	1.4%	53.9%	

Country Programme

Duration of country programme: 10 years (1995-2005)

ODS phase-out target:

Complete ODS phase out in aerosol and foam sectors by 1998. Complete phase out by 2005

Phase-out priority area:

Aerosol and foam sectors, and commercial and industrial refrigeration sub-sectors

Cost of activities in country programme: \$7,996,230

Strategy:

The strategy proposed by the Govt. is to phase out ODS by 2005, through public awareness and information dissemination as well as by economic, price control and other indirect measures. The Govt. is prepared to impose bans, duties and licenses to facilitate the conversion.



REPUBLIQUE LIBANAISE
MINISTERE DE L'ENVIRONNEMENT

LE MINISTRE

565/B

Docteur El Arini
Chef du secrétariat
Secrétariat du fonds
Multilatéral aux fins
D'application du
protocole de Montréal
Fax n : 151 42 82 00 68

Beyrouth, le 22 Mars 1995

Cher Docteur El Arini,

Le Liban a ratifié le protocole de Montréal le 31 mars 1993.

Sa consommation étant inférieure à 0.3 kg /hab; il est donc visé par les dispositions du paragraphe 1 article 5 du protocole .

Nous avons l'honneur de vous transmettre pour approbation et financement le programme de pays .Celui-ci , réalisé sous la direction du Ministère de l'Environnement , et avec L'assistance du PNUE IE, a permis l'élaboration d'une stratégie qui prévoit un plan d'action et par suite des projets.

Ces projets vont permettre l'élimination totale des substances appauvrissant la couche d'ozone en l'an 2005 .

Le gouvernant a approuvé l'ensemble des actions contenues dans le présent programme de pays , et s'assurera que leur mise en oeuvre se fera en accord avec les dispositions du protocole de Montréal .Ainsi il pourra être modifié et soumis une nouvelle fois à l'approbation du comité exécutif du fonds Multilatéral si d'autres actions s'avéraient nécessaires au bon respect du protocole .



REPUBLIQUE LIBANAISE
MINISTERE DE L'ENVIRONNEMENT

En attendant , nous espérons que lors de sa 17ème Réunion , le Comité Exécutif du Fonds Multilatéral approuvera le présent programme de pays et financera les projets qui y sont contenus .

Veillez agréer , cher Docteur El Arini , ma haute Considération.

Ministre de l'Environnement

Samir Mokbel

COUNTRY PROGRAMME COVER SHEET

COUNTRY: LEBANON

IMPLEMENTING NATIONAL AGENCY: MINISTRY OF ENVIRONMENT

IMPLEMENTING AGENCY: UNEP

PHASE OUT SCHEDULE:

SUBSTANCE	CURRENT CONSUMPTION (Tons ODP) in 1993	CUMULATIVE CONSUMPTION UNTIL PHASE OUT (TONS ODP)		PROPOSED YEAR FOR COMPLETE PHASE OUT
		ARTICLE 5 SCHEDULE	ACCELERATE D SCHEDULE	
ANNEX A GROUP I				
CFC 11	179	5036		2005
CFC 12	843.5	23730		2005
CFC 114	12.5	352		2005
CFC 115	6.5	183		2005
SUBTOTAL	1041.5	29301	3740	
ANNEX A GROUP II				
HALON 1211	15	15	15	1994
ANNEX B GROUP 2				
CCL4	0.1	0.1	0.1	1994
TOTAL	1056.6	29316.1	3753.1	

ACTION PLAN

DURATION	SECTOR	DESCRIPTION OF ACTION	INTENDED EFFECT	IMPLEMENTING AGENCY	ESTIMATED COST (US \$)
I. INSTITUTIONAL STRENGTHENING					
1995-1997	ALL	OZONE SECRETARIAT	INSTITUTIONAL SUPPORT TO THE MINISTRY OF ENVIRONMENT	UNEP	255,000
FROM 1996	ALL	BAN ON IMPORTS OF ODS CONTAINING EQUIPMENT	TO REDUCE THE FUTURE CONSUMPTION OF ODS	MINISTRY OF ENVIRONMENT	
FROM 1996	ALL	BAN ON IMPORTS OF ALL ODS EXCEPT THOSE CURRENTLY USED	TO PREVENT IMPORT OF NEW ODS	MINISTRY OF ENVIRONMENT	
FROM 1996	ALL	CREATION OF A SYSTEM OF INCENTIVES FOR REDUCTION, RECOVERY AND RECYCLING	TO REDUCE THE NEEDS OF IMPORTS	MINISTRY OF ENVIRONMENT	
FROM 1998	ALL	BAN ON CFC IN ALL INDUSTRIES PRODUCTION	PHASE OUT ODS IN INDUSTRIES	MINISTRY OF ENVIRONMENT,	
FROM 1996	REFRIGERATION AND AIR CONDITIONING	REVIEW THE TRAINING PROGRAMMES OF THE INSTITUTES SPECIALISED IN REFRIGERATION AND AIR CONDITIONING	SET UP OF LICENSING SYSTEM OF TECHNICIANS	UNEP	
II. INDUSTRIAL SECTOR ACTIVITIES (ONLY INDICATIVE)					
1996-1997	REFRIGERATION	CONVERSION OF FACTORY PRODUCING HOUSEHOLD REFRIGERATORS	PHASE OUT OF 55 ODP TONNES OF CFC 11 AND CFC 12	UNIDO	908,160
1996-1997	REFRIGERATION	CONVERSION OF SEVERAL FACTORIES PRODUCING COMMERCIAL AND INDUSTRIAL REFRIGERATORS	PHASE OUT OF 111 ODP TONNES OF CFC 11, CFC 12 AND CFC 115	TO BE APPROACHED	1688,310
1996-1997	AEROSOL	CONVERSION TO LPG OF 2 AEROSOL FACTORIES	PHASE OUT 109 ODP TONNES OF CFC 11 AND CFC 12	UNIDO	479,600
1996-1997	AEROSOL	RETROACTIVE FINANCIAL ASSISTANCE TO A FACTORY FILLING AEROSOL ALREADY CONVERTED	PHASE OUT OF 212 ODP TONNES OF CFC 12 AND 114	UNIDO	932,800
1996-1997	REFRIGERATION AND AIR CONDITIONING	TRAINING OF TECHNICIANS SERVICING DOMESTIC AND COMMERCIAL REFRIGERATORS AND AIR CONDITIONED CARS	REDUCTION OF ODS USED DURING MAINTENANCE: PHASE OUT OF 155 ODP TONNES OF ODS	UNEP	200,000
1996-1997	FOAM	CONVERSION OF FOUR FACTORIES PRODUCING FLEXIBLE AND RIGID FOAM	PHASE OUT OF 92 ODP TONNES OF CFC 11	UNIDO FOR TWO FACTORIES	592,360
1997-1998	REFRIGERATION	RETROFITTING OF LARGE INSTALLATION OF COMMERCIAL AND INDUSTRIAL REFRIGERATION	PHASE OUT OF 105 ODP TONNES	MINISTRY OF ENVIRONMENT	2,940,000
TOTAL					7,996,230

PROJECT SUMMARY

PROJECT NUMBER BY ORDER OF PRIORITY	NAME OF THE PROJECT	SECTOR	STARTING YEAR	IMPLEMENTING AGENCY	REDUCTION OF ODS (T ODP)	INCREMENTAL COST (\$ US)
1	OZONE OFFICE	ALL	1995	UNEP		255,000
2	OPACO	REFRIGERATION AND RIGID FOAM	1996	UNIDO	55	908,160
3	CONVERSION OF SEVERAL FATORIES PRODUCING COMMERCIAL AND INDUSTRIAL REFRIGERATORS	COMMERCIAL AND INDUSTRIAL REFRIGERATION	1996		111	1,688,310
4	COSMALINE	AEROSOL	1996	UNIDO	89	391,600
5	ZEENI	AEROSOL	1994		212	932,800
6	AMATOURY	AEROSOL	1996		20	88,000
7	TRAINING OF TECHNICIANS	REFRIGERATION AND AIR CONDITIONING	1996	UNEP	155	200,000
12	RETROFITTING OF INDUSTRIAL AND COMMERCIAL REFRIGERATION UNITS	REFRIGERATION	1997		105	2,940,000
8	HENRI ABDALLAH	FLEXIBLE FOAM	1996	UNIDO	15	93,450
9	NASRI KARAM	FLEXIBLE FOAM	1996	UNIDO	30	186,900
10	FAP	FLEXIBLE FOAM	1996		35	218,050
11	KILZI	RIGID FOAM	1996		12	93,960
TOTAL					839	7,996,230