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EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
Twenty-third Meeting
Montreal, 12-14 November 1997

COUNTRY PROGRAMME: GUYANA

This document consists of:

- Country Programme Evaluation Sheet (prepared by the Fund Secretariat)
- Comments and Recommendations of the Fund Secretariat
- Transmittal Letter from the Government of Guyana
- Country Programme Cover Sheet
- Country Programme (Executive Summary)

GUYANA COUNTRY PROGRAMME EVALUATION SHEET

National Ozone Action Unit, Hydrometeorological Service

Status of ratification of the Vienna Convention and the Montreal Protocol

	Signature	Ratification	Entry into force
Vienna Convention (1985)		12-Aug-93	10-Nov-93
Montreal Protocol (1987)		12-Aug-93	10-Nov-93
London Amendment (1990)			
Copenhagen Amendment (1992)			

Production of controlled substances: No controlled substances produced

Consumption of controlled substances (1995) 39.3 metric tonnes
39.2 weighted tonnes (ODP)

(tonnes)	CFC-11	CFC-12	CFC-113	CFC-114	CFC-115	TOTAL Halon1211	Halon1301	TOTAL	CTC	MCF	TOTAL	Me-Br
ODS	10.0	28.0			0.3	38.4			0.8	0.2	1.0	4.8
ODP	10.0	28.0			0.2	38.2			0.9		0.9	2.9

Distribution of ODP by substance: CFC 97.7% Halon CTC and MCF 2.3%

Distribution of ODP by sector:	Aerosol	Foam	Halon	Refrigeration	Solvent	Other
Consumption (ODP tonnes):	0.0	0.0	0.0	34.9	1.0	0.0
Percent of total:				89.0%	2.5%	

Country Programme

Duration of country programme: 13 years (1997-2010)

ODS phase out target: 63% reduction by 2001. Complete phase out by 2010

Phase out priority area: Refrigeration sector

Cost of activities in country programme: \$691,445

Strategy:

The Government's strategy will be based on development and implementation of control measures, public awareness campaigns and training activities. Legislation will be put in place and enactment texts will be defined, where necessary, to inter alia prohibit imports of ODS using equipment, prohibit new enterprises producing and/or assembling equipment, foams, or aerosols using ODS, establish ODS taxes, import quotas and licenses, prohibit expansion of existing industry requiring use of ODS technology, reduce import tariffs on equipment using ODS free technology. It will also provide training to Customs Department and Bureau of Statistics staff for monitoring and collection of data to meet the reporting requirements of the Protocol, and implementing a recovery and recycling project once legislation and economic instruments are put in place.

COMMENTS AND RECOMMENDATIONS OF THE FUND SECRETARIAT

COMMENTS

1. The Country Programme conforms to the format of the approved guidelines. The total ODS consumption in the country is estimated at 38.2 tonnes of CFCs used in the refrigeration sector and 0.9 tonnes of carbon tetrachloride and TCA used as solvents.

2. More than 55 per cent of CFCs is used by Guyana Refrigerators, the sole manufacturer of domestic and commercial refrigerators and freezers. The Government of Guyana through UNIDO, submitted a project proposal for the conversion of this manufacturing plant to non-ODS technology for consideration at the 23rd Meeting of the Executive Committee (UNEP/OzL.Pro/ExCom/23/30).

3. The remaining 45 per cent of CFCs (about 17 tonnes) is used for servicing and maintenance of refrigeration equipment. The Government of Guyana prepared a Refrigerant Management Plan and is requesting financial assistance for its implementation.

Institutional strengthening

4. The country programme also includes a project for the establishment of a Ozone Unit within the Hydrometeorological Service (institutional strengthening). The Government of Guyana is requesting a total of US \$88,000 for the implementation of this project.

5. Based on the ODS consumption levels in Guyana and their sectoral distribution, analysis of similar projects so far approved by the Executive Committee, current market prices of office equipment and software, the Fund Secretariat recommends a budget of US \$65,000 for a three-year period, with the following break-down:

Capital costs:	US \$8,000
Personnel:	US \$45,000
Operational costs:	US \$12,000

6. The main responsibilities of the Ozone Unit would include: implementation and monitoring of a Refrigeration Management Plan and the associated projects for policies, strategies, laws, regulations, incentives, and training programmes for service technicians and customs officials; coordination and facilitation of activities related to the phase out of CFCs; collecting and disseminating information on ozone depletion and related issues; managing public awareness campaigns; serving as a point of contact for the Multilateral Fund, Montreal Protocol and other implementing agencies; reporting annually to the Ozone Secretariat on the CFC consumption in the country according to Article 7 of the Montreal Protocol; and reporting annually to the Executive Committee on the progress in the implementation of the Country Programme.

RECOMMENDATIONS

The Fund Secretariat recommends as follows:

1. To approve the Guyana Country Programme. Approval of the Country Programme does not denote approval of the projects identified therein or their funding levels.
2. To request the Government of Guyana to present annually information to the Executive Committee on progress being made in the implementation of the country programme, in accordance with the decision of the Executive Committee on implementation of country programmes (UNEP/OzL.Pro/ExCom/10/40, para 135). Using the approved format, the initial report, covering the period 15 November 1997 to 31 December 1998, should be submitted to the Fund Secretariat no later than 31 March 1999.
3. To approve the amount of US \$65,000 and US \$8,450 support cost for institutional strengthening to be included in UNEP's 1997 work programme.



MINISTRY OF AGRICULTURE

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HYDROMETEOROLOGICAL SERVICE
18 Brickdam
Stabroek
Georgetown,
Guyana,
South America,
P.O. Box: 1089

18th September, 1997.

The Chief Officer,
Secretariat of the Multilateral Fund,
for the Implementation of the Montreal Protocol,
1800 McGill College,
27th Floor,
Montreal, Canada H3A 3J6.

Dear Sir,

I have the honour to submit herewith the Country Programme of Guyana for the consideration and approval of the Executive Committee of the Multilateral Fund for the Implementation of the Montreal Protocol.

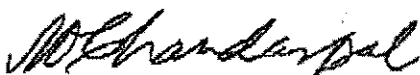
Guyana acceded to the Protocol on August 12, 1993 and became a Party on August 12, 1993. It is classified as operating under Paragraph 1 of Article 5 of the Montreal Protocol.

I would like to place on record the appreciation of the Government of Guyana for the assistance extended to it through the UNEP IE OZONE Action Programme for the preparation of the Country Programme which started in April, 1997. I am pleased to say that the Government is committed to the implementation of actions contained in the Country Programme.

I further assert that it is the Government's intention to monitor compliance with the Protocol. If necessary, further and different action from those specified in the Country Programme will be updated and submitted to the Executive Committee of the Multilateral Fund.

I hope that the Executive Committee will approve the request for financial assistance in respect of the following projects:

- 1) Institutional Strengthening
- 2) Refrigeration Management Plan.



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Navin Chanderpal.

Advisor to the President on Science and Technology,
Energy, Natural Resources and Environment.

COUNTRY PROGRAMME COVER SHEET

COUNTRY REPUBLIC OF GUYANA

LEAD NATIONAL AGENCY HYDROMETEOROLOGICAL SERVICE
MINISTRY OF AGRICULTURE

**PERIOD COVERED BY
COUNTRY PROGRAMME** 1997 - 2010

PHASE OUT SCHEDULE

Substance	1995 consumption in ODP tonnes	Planned total consumption until phase- out (tonnes x ODP)	Planned year of phase-out
CFC-11	10.03	56.04	2000
CFC-12	28.03	248.37	2010
CFC-115	0.18	2.37	2005
Carbon Tetrachloride	0.90	3.94	1999
Methyl Chloroform	0.016	0.07	1999

PROJECTS

Sector	Name of Project	Date	Estimated Cost (US\$)	Funds requested from MF
Institutional Strengthening		1998 - 2000	122,700	88,000
Refrigerant Management Plan	1) Technician Training	1998	49,000	49,000
	Training in Monitoring and Control of ODS	1998	16,000	16,000
	Recovery and Recycling Project	1999 - 2000	103,745	103,745
Conversion of Guyana Refrigerators Limited*		1998 - 1999	500,000	
TOTAL			791,445	256,745

* Note: This figure is based on project prepared by UNIDO.

COSTS

ODP to be phased out	39.14 ODP tonnes
Total Cost of phase-out	US\$ 791,445
Cost of projects being submitted with this Country Programme	US\$ 256,745
Cost effectiveness	US\$ 20.2/kg

EXECUTIVE SUMMARY

The Republic of Guyana signed the Montreal Protocol in August 1993 and qualifies as an Article 5 country. In order to comply with the provisions of the Protocol, as a first step, the Government of Guyana has carried out a national survey and formulated its Country Programme with the assistance of UNEP and funding assistance from the Multilateral Fund.

The Country Programme provides data on consumption and use of ODS in Guyana and expresses the commitment of the Government to phase out consumption of ODS. An Action Plan has been defined, and steps will be taken to implement some or all of the action items, after scrutiny, to ensure a smooth phase out without causing undue economic hardship to the industrial, commercial and, in particular, the domestic consumers.

Guyana does not produce any ODS and all its requirements are met through imports. The total 1995 ODS consumption amounted to 39.16 ODP Tonnes, resulting in a consumption of 0.0514 kg/capita.

The main consumption of ODS is in the Refrigeration and Air Conditioning sector – 38.24 ODP Tonnes or 97.6%. Of this, 21.12 ODP Tonnes were consumed by Guyana Refrigerators Limited for refrigerator and chiller manufacture, including foaming.

The Government of Guyana is committed to phasing out the consumption of ODS in a controlled and cost effective manner. It will take the steps outlined in the Action Plan to meet the freeze and phase out schedule required by the Protocol. The Government is concerned about availability of a supply of ODS to meet the service requirements of existing ODS based equipment to enable them operate to the end of their economic life. It is expected that by 2010, most equipment will have been retrofitted or replaced with ODS free technology, with some CFC-12 based domestic refrigeration equipment remaining. It will strongly encourage recovery and recycling to meet this requirement. Market forces such as increasing prices and non-availability of ODS and ODS using equipment will play a vital role in the shift by consumers to ODS free technology, particularly in the commercial and industrial sector.

The government has nominated the Hydrometeorological Service, a department of the Ministry of Agriculture, as the focal point for Montreal Protocol activities. A institutional strengthening project is submitted for the formation of the National Ozone Action Unit. The NOAU will be constituted within Hydromet to act as the focal point, and coordinate and monitor activities towards a complete phase out of ODS.

A total of US\$ 256,745 is being requested from the Multilateral Fund to implement the projects.

Annex. 1

PROJECT COVER SHEET

Country	:	Republic of Guyana
Name of Project	:	Institutional Strengthening Project Creation of the National Ozone Action Unit
Sectors Covered	:	All
ODS Consumption	:	39.16 ODP Tonnes in 1995
Duration of Project	:	3 years
Total Project Cost	:	\$99,300
Amount to be Contributed by Government of Guyana	:	\$34,300
Amount Requested from Multilateral Fund	:	\$ 55,000
National Coordinating Body	:	National Ozone Action Unit within the Hydrometeorological Service
Implementing Agency	:	UNEP

Project Description

The Government of Guyana is conscious of the importance of complying with the obligations of the Montreal Protocol. Nevertheless the Government does not have adequate means for lending its support to and co-ordinating implementation of the Country Programme.

This need will be addressed by the creation of a National Ozone Action Unit (NOAU) within the Hydrometeorological Service, with funding from the Multilateral Fund. The NOAU will serve as the focal point for communication and co-ordination with the UNEP Ozone Secretariat, the Multilateral Fund and the implementing agencies involved. It will comprise of a professional staff, a technical assistant and a secretary/clerk and will be located within the Hydromet. The professional will be responsible for managing the NOAU and its budget and will analyse the data and information gathered and be responsible for presentations to the government and industry.

The tasks to be assigned to the NOAU will include:

- Working in close collaboration with the EPA by providing advice on appropriate legislation and other ODS issues.
- Coordinating with various government offices to ensure that investment and environmental protection policies adopted are in line and supportive of the government's efforts to phase out the use of ODS by the year 2010.
- Developing and regularly updating a register of ODS importers and consumers.
- Collecting data and information from the Customs Department, Bureau of Statistics, Importers and consumers of ODS.
- Advising Government on restrictions on imports and/or other methods for taxing ODS and equipment containing them, if necessary.
- Monitoring the progress and effectiveness of projects identified in the Country Programme,

- funded by the Multilateral Fund, and implemented by the implementing agencies.
- Coordinating and implementing the Refrigerant Management Plan.
 - Developing additional projects, if required in future, for the phase out of ODS and monitoring the implementation of these projects.
 - Preparing information and awareness campaigns for the ODS users and the public.
 - Designing and implementing a data collection strategy.
 - Maintaining the data base of consumption and imports.
 - Analysing and reporting periodically to the government on the trends of imports and consumption and the effectiveness of the Action Plan.
 - Submitting annual reports on ODS consumption to the Ozone Secretariat of UNEP, as per the requirements of Article 7 of the Montreal Protocol;
 - Submitting annual reports on progress of implementation of Country Program to the Multilateral Fund Secretariat;
 - Submitting project progress reports to Implementing Agencies;
 - Facilitating the exchange of information with other Party countries, particularly in the Caribbean and Latin American Region, through the Ozone Officers Network of UNEP.

Budget:

Budget for Institutional Strengthening

	1998 (US\$)	1999 (US\$)	2000 (US\$)	Total (US\$)
CAPITAL				
Personal Computer and modem	3,000	-	-	3,000
Printer and Software	2,000	-	-	2,000
Photocopy Machine	1,000			1,000
Fax	800	-	-	800
Telephone, fax & Modem line	1,500	-	-	1,500
Office Furniture	1,000	-	-	1,000
Sub Total 1	9,300			9,300
RECURRENT COSTS				
Coordinator of NOAU	20,000	20,000	20,000	60,000
Sub-total 2	20,000	20,000	20,000	60,000
OPERATING COSTS				
Office Space	4,000	4,000	4,000	12,000
Communications	1,000	1,000	1,000	3,000
Local travel	2,000	2,000	2,000	6,000
Equipment Maintenance	1,000	1,000	1,000	3,000
Office Supplies	1,000	1,000	1,000	3,000
Public Information and Awareness	1,000	1,000	1,000	3,000
Sub-total 3	10,000	10,000	10,000	30,000
Total (subtotal 1+2+3)	39,300	30,000	30,000	99,300
Government Contribution	14,300	10,000	10,000	34,300
From Multilateral Fund	25,000	20,000	20,000	65,000