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EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
Thirtieth Meeting
Montreal, 29-31 March 2000

COUNTRY PROGRAMME: GRENADA

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 Grenada
- Country Programme Cover Sheet
- Country Programme (Executive Summary)

GRENADA COUNTRY PROGRAMME EVALUATION SHEET

National Ozone Unit, Ministry of Communications, Works and Public Utilities

Status of ratification of the Vienna Convention and the Montreal Protocol

	Signature	Ratification	Entry into force
Vienna Convention (1985)		31-Mar-93	29-Jun-93
Montreal Protocol (1987)		31-Mar-93	29-Jun-93
London Amendment (1990)		12-Jul-93	10-Oct-93
Copenhagen Amendment (1992)		20-May-99	18-Aug-99

Production of controlled substances: No controlled substances produced

Consumption of controlled substances (1998) 4.3 metric tonnes
3.9 weighted tonnes (ODP)

tonnes)	CFC-11	CFC-12	CFC-113	CFC-114	CFC-115	TOTAL	Halon121	Halon130	TOTAL	CTC	MCF	TOTAL	Me-Br
ODS	0.5	2.8			1.0	4.3							
ODP	0.5	2.8			0.6	3.9							

Distribution of ODP by substance: CFC 100.0% Halon (0.0%) CTC and MCF (0.0%) MeBr (0.0%)

Distribution of ODP by sector: Aerosol Foam Halon Refrigeration Solvent Other MeBr
Consumption (ODP tonnes): 0.0 0.0 0.0 3.9 0.0 0.0 0.0
Percent of total: 100.0%

Montreal Protocol (ODP tonnes) CFCs Halons Methyl bromide
Compliance baseline 5.3
Allowable level of consumption in 2005 2.6
Source: Country Programme (2000)

Country Programme

Duration of country programme: 11 years (2000-2010)

ODS phase out target: Phase out of CFC-11 by end 2001, CFC-115 by end 2006; complete phase out by 2010

Phase out priority area: Refrigeration servicing sector

Cost of activities in country programme: \$165,400

Strategy:

The Government is committed to phasing out the consumption of ODS in a controlled and cost effective manner. During 2000 and 2001 legislation will be put in place and enactment texts will be defined, including: restriction on imports of CFC-based equipment, prohibition of new enterprises producing and/or assembling refrigeration equipment, foams and/or aerosols products using ODS, certification of refrigeration technicians, assessment of the feasibility of issuing consumption or "environment" taxes on ODS, establishment of import quotas and licenses, reduction of import tariffs on equipment and materials for implementation of ODS phase out projects together with establishment of a monitoring system for ODS imports and consumption. Public awareness campaigns and the refrigeration management plan will be developed and implemented. Monitoring capacity will be improved to ensure effective monitoring of the legal and technical provisions provided for under the Montreal Protocol.

COMMENTS AND RECOMMENDATIONS OF THE FUND SECRETARIAT

COMMENTS

1. The total ODS consumption in the country in 1998 was estimated at 3.8 ODP tonnes, mainly CFC-12 (2.8 tonnes) used for servicing refrigeration equipment and MAC units. The annual calculated level of Annex A substances consumption for the period 1995-1997, the baseline for determination of Grenada's compliance with the Montreal Protocol, is 5.3 ODP tonnes. Consumption data on controlled substances collected during the preparation of the country programme has been forwarded to the Ozone Secretariat.
2. There are 21 refrigeration servicing companies and few organisations with in-house technicians to service refrigeration and air-conditioning equipment. There are about 50 technicians working in this sector.
3. The Fire Service has no halon-1211 in stock; since 1996 there has been no consumption of halon extinguishers. Since 1993, the use and import of methyl bromide has been stopped.
4. The country programme includes a project for the establishment of an Ozone Office within the Ministry of Communications, Works and Public Utilities (institutional strengthening). The Government of Grenada is requesting a total of US \$30,000 for the implementation of this project. The Fund Secretariat's comments and recommendations on this request are presented under UNEP work programme amendments (UNEP/OzL.Pro/ExCom/30/23).
5. The country programme also includes a refrigerant management plan. The Government of Grenada is requesting a total of US \$135,400 for the implementation of this project. The Fund Secretariat's comments and recommendations on this request are presented under document UNEP/OzL.Pro/ExCom/30/29.

RECOMMENDATIONS

The Fund Secretariat recommends as follows:

1. To approve the Grenada 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 Grenada 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 1 April 2000 to 31 December 2000, should be submitted to the Fund Secretariat no later than 1 May 2001.

Ref. No.
In replying the above
Number and date of this
letter should be quoted.



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Tanteen,
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January 26, 2000

The Chief Officer
Secretariat of the Multilateral Fund
For the Implementation of the Montreal Protocol
1800 McGill College Avenue, 27th Floor
Montreal
Quebec
CANADA H3A 3J6

Dear Sir

I have the honour to submit herewith the Country Programme and Refrigerant Management Plan of Grenada for the consideration and approval of the Multilateral Fund for the implementation of the Montreal Protocol.

Grenada became a Party of the Montreal Protocol by the joint Ratification of the Vienna Convention on the Protection of the Ozone Layer and the Montreal Protocol on Substances that deplete the Ozone Layer, on March 31, 1993. The Country is classified as operating under paragraph 1 of Article 5 of the Protocol.

My Government has regarded this a serious commitment and responsibility for dealing with the threats to the World's atmosphere, as exhibited by our ratification of the Copenhagen and Montreal Amendments to the Protocol on May 20, 1999. Grenada is proud to be one of few countries to have completely ratified all the related Amendments to the Montreal Protocol.

I would like to place on record the appreciation of the Government of Grenada of the assistance extended to it through the UNEP IE OzonAction Programme for the preparation of the Country Programme and Refrigerant Management Plan which started during May 1998. I am pleased to say that the Government is committed to the implementation of actions contained in the Country Programme with every effort being made to achieve total phase-out by 2005.

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

We hope that the Executive Committee will approve the request for assistance made in respect of the following actions:

- a) Institutional Strengthening
- b) Refrigerant Management Plan

Please accept, Sir, the assurance of my highest consideration.

Yours sincerely


PERMANENT SECRETARY 

COUNTRY PROGRAMME COVER SHEET

COUNTRY Grenada

LEAD NATIONAL AGENCY MINISTRY OF WORKS, COMMUNICATIONS & PUBLIC UTILITIES

PERIOD COVERED BY COUNTRY PROGRAMME 2000 - 2010

1. PHASE OUT SCHEDULE

Substance	1998 Consumption (import) in ODP Tonnes	Planned Total Cons. until phase-out (Tonnes x ODP)	Planned year of Phase-out
CFC-11	0.500	1.410	2001
CFC-12	2.800	23.734	2010
CFC-115	0.583	3.083	2006
(a) Total	3.883	28.227	

2. ACTION PLAN OF GRENADA

In order to implement its phase out strategy, the Government has developed an Action Plan as follows: (Since 100% of ODS consumption is in the Refrigeration and Air-Conditioning sector, this action plan matches the one drawn up within the Refrigerant Management Plan)

- ◆ Establish the National Ozone Unit within the Ministry of Works, Communications & Public Utilities as the focal point for all activities related to the Montreal Protocol. – 2000.
- ◆ Develop and implement control measures which include:
 - Restrict imports of ODS using equipment - 2000
 - Prohibit new enterprises producing and/or assembling equipment, foams, or aerosols using ODS - 2000
 - Certification of technicians – 2000/2001
 - Evaluate feasibility of Consumption or “Environment” Tax on ODS - 2000
 - Prohibit investments in building new plants using ODS - 2000
 - Reduce import tariffs on equipment and materials for implementation of ODS phase out projects – 2000
 - Evaluate impact of reduction in import tariffs on equipment using ODS free technology – 2000
- ◆ Establish a monitoring system for ODS imports and consumption through import quotas and licensing systems- 2000
- ◆ Embark on a public awareness program – 2000 onwards
- ◆ Implement and monitor the following components of the Refrigerant Management Plan with assistance from the Multilateral Fund and implementing agencies/bilateral donors:
 - Training of Trainers in Good Refrigerant Management Practices – 2000
 - Train Customs Department, Statistics Division and NOU in monitoring and collection of data to meet the reporting requirements of the Protocol – 2000
 - Implement a National Recovery and Recycling project – 2001 – 2002.

3. PROJECTS

A summary of the projects identified so far, and detailed in Annex 1 and 2 are given below:

(b) Name of Project		Date	Estimated Cost (US\$)	Amount Requested from Fund (US\$)	ODS Consumed in 1998 (ODP Tonnes)
Institutional Strengthening		2000 – 2002	43,600	30,000	N/A
Refrigerant Management Plan	Technician Training	2000	54,500	54,500	CFC-11 – 0.50 CFC-12 – 2.80 CFC-115 – 0.58 HCFC-22 – 0.302
	Training in Monitoring and Control of ODS	2000	38,700	38,700	
	Recovery/Recycling Project	2001 – 2002	42,200	42,200	
TOTAL			179,000	165,400	

4. COSTS

ODP to be phased out	3.883 ODP tonnes
Total Cost of phase-out	US\$ 179,000
Cost of projects being submitted with this Country Programme	US\$ 179,000
Amount being requested from Fund	US\$ 165,400
Cost effectiveness (on Funds requested)	US\$ 42.6 /kg

EXECUTIVE SUMMARY

The Government of Grenada signed the Vienna Convention, the Montreal Protocol on Substances that Deplete the Ozone Layer and the London Amendment on March 31, 1993. Grenada also ratified the Copenhagen and Montreal Amendments on May 20, 1999 and qualifies as an Article 5 country. In order to comply with the provisions of the Protocol, as a first step, the Government of Grenada has carried out a national survey and formulated its Country Programme cum Refrigerant Management Plan with the assistance of UNEP and funding assistance from the Multilateral Fund.

The Country Programme provides data on consumption and use of ODS in Grenada and expresses the commitment of the Government to phase out consumption of ODS as per the requirements of the Protocol. 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.

Grenada does not produce any ODS and all its requirements are met through imports. The 1998 ODS imports amounted to 3.883 ODP Tonnes, resulting in a consumption of 0.040 kg/capita.

In 1998 the total consumption of ODS was in the Refrigeration and Air Conditioning sector.

The Government of Grenada 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 2006, most commercial equipment will have been retrofitted or replaced with ODS free technology. Thus, the ODS consumption beyond this time will primarily include consumption for CFC-12 based domestic refrigeration equipment and mobile air-conditioning equipment. It will strongly encourage recovery and recycling to meet this requirement. Market forces such as increasing prices, non-availability of ODS and ODS using equipment, combined with easier availability of non 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 will establish the National Ozone Unit (NOU) under the Ministry of Works, Communication & Public Utilities as the focal point. An institutional strengthening project is submitted for the formation of the National Ozone Unit. The NOU will coordinate and monitor activities towards a complete phase out of ODS.

With the assistance of the local consultant conduct surveys and collect information on:

- The current consumption of controlled substances (including data on production, imports and exports and other ODS) by use, sectors and the products containing or made with those substances.
- Existing policies and regulations established by the Government and industries on the consumption of controlled substances, including any regulations on trade, and economic incentives affecting consumption.
- Other information such as statistics on population and rate of economic growth, that would be required for the analysis of the potential future demand for controlled substances and the products containing or made with these substances.

A total of US\$ 165,400 is being requested from the Multilateral Fund to implement the projects.
