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EXECUTIVE COMMITTEE OF  
THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Twenty-fifth Meeting  
Montreal, 29-31 July 1998

**COUNTRY PROGRAMME: SAINT VINCENT AND THE GRENADINES**

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 Saint Vincent and the Grenadines
- Country Programme Cover Sheet
- Country Programme (Executive Summary)

# SAINT VINCENT AND THE GRENADINES COUNTRY PROGRAMME EVALUATION SHEET

National Ozone Unit, Ministry of Health and Environment

## *Status of ratification of the Vienna Convention and the Montreal Protocol*

|                             | Signature | Ratification | Entry into force |
|-----------------------------|-----------|--------------|------------------|
| Vienna Convention (1985)    |           | 02-Dec-96    | 02-Mar-97        |
| Montreal Protocol (1987)    |           | 02-Dec-96    | 02-Mar-97        |
| London Amendment (1990)     |           | 02-Dec-96    | 02-Mar-97        |
| Copenhagen Amendment (1992) |           | 02-Dec-96    | 02-Mar-97        |

**Production of controlled substances:** No controlled substances produced

**Consumption of controlled substances (1996)** 3.9 metric tonnes  
3.6 weighted tonnes (ODP)

| (tonnes) | CFC-11 | CFC-12 | CFC-113 | CFC-114 | CFC-115 | TOTAL Halon1211 | Halon1301 | TOTAL | CTC | MCF | TOTAL | Me-Br |
|----------|--------|--------|---------|---------|---------|-----------------|-----------|-------|-----|-----|-------|-------|
| ODS      | 0.2    | 3.0    |         |         | 0.7     | 3.9             |           |       |     |     |       |       |
| ODP      | 0.2    | 3.0    |         |         | 0.4     | 3.6             |           |       |     |     |       |       |

**Distribution of ODP by substance:** CFC 99.7% Halon CTC and MCF 0.3%

| <b>Distribution of ODP by sector:</b> | Aerosol | Foam | Halon | Refrigeration | Solvent | Other |
|---------------------------------------|---------|------|-------|---------------|---------|-------|
| Consumption (ODP tonnes):             | 0.0     | 0.0  | 0.0   | 3.6           | 0.0     | 0.0   |
| Percent of total:                     |         |      |       | 99.7%         | 0.3%    |       |

## Country Programme

**Duration of country programme:** 12 years (1998-2010)

**ODS phase out target:** Complete phase out by 2005

**Phase out priority area:** Refrigeration servicing sector

**Cost of activities in country programme:** \$154,000

### **Strategy:**

The Government is committed to phasing-out the consumption of ODS in a controlled and cost-effective manner. The main components of the action plan proposed by the Government include 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, and technical monitoring capacity will be improved to ensure effective monitoring of the legal and technical requirements under the Montreal Protocol.

## **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 3.9 metric tonnes of CFCs used for servicing refrigeration equipment and MAC units.
2. Servicing and maintenance of refrigeration equipment is undertaken by 30 service workshops. Some of the workshops have qualified personnel and most of the refrigeration technicians have some amount of practical experience, but lack technical knowledge, equipment or skills. They are located mainly in the capital city.
3. The Government of Saint Vincent and the Grenadines has prepared a Refrigerant Management Plan and is requesting financial assistance for its implementation. Description of the project together with the Fund Secretariat's comments and recommendations were submitted for consideration at the 25th Meeting of the Executive Committee under document UNEP/OzL.Pro/ExCom/25/21.
4. The country programme also includes a project for the establishment of an Ozone Unit within the Ministry of Health and the Environment (institutional strengthening). The Government of Saint Vincent and the Grenadines is requesting a total of US \$30,300 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/25/21).

### **RECOMMENDATIONS**

The Fund Secretariat recommends as follows:

1. To approve the Saint Vincent and the Grenadines 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 Saint Vincent and the Grenadines 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 August 1998 to 31 December 1999, should be submitted to the Fund Secretariat no later than 1 May 2000.

**MINISTRY OF HEALTH AND THE ENVIRONMENT  
ST. VINCENT AND THE GRENADINES, W.I**

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

Dear Sir,

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

St. Vincent and the Grenadines adhered to the Protocol on the 5<sup>th</sup> September, 1996 and became a Party on the said date. 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 St. Vincent and the Grenadines for the assistance extended to us through the UNEP IE Ozone Action programme for the preparation of the Country Programme which started in August 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 actions from those specified in the Country Programme will be implemented and submitted to the Executive Committee of the Multilateral Fund.

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

1. Institutional Strengthening
2. Refrigeration Management plan.

Sir, please accept the assurance of my highest consideration.

Yours sincerely



Dr. Reynold Murray  
Environmental Services Coordinator  
Focal Point, Montreal Protocol.



**ST. VINCENT AND THE  
GRENADINES**

**COUNTRY PROGRAMME  
FOR THE PHASE-OUT OF  
OZONE DEPLETING SUBSTANCES**



**May 1998**

**Ministry of Health and Environment**



## **COUNTRY PROGRAMME COVER SHEET**

**COUNTRY**

**St. Vincent and the Grenadines**

**DATE RECEIVED**

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**LEAD NATIONAL AGENCY**

**Ministry of Health and Environment**

**PERIOD COVERED BY  
COUNTRY PROGRAMME**

**1998 – 2010**

### **1. PHASE-OUT SCHEDULE**

| <b>Substance</b> | <b>1996 Consumption in<br/>ODP Tonnes</b> | <b>Planned Total<br/>Consumption until<br/>phase-out<br/>(tonnes x ODP)</b> | <b>Planned year of<br/>Phase-out</b> |
|------------------|-------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------|
| CFC-11           | 0.205                                     | 0.410                                                                       | 2000                                 |
| CFC-12           | 3.041                                     | 10.561                                                                      | 2010                                 |
| CFC-115 (R-502)  | 0.391                                     | 0.874                                                                       | 2005                                 |
| HCFC-22          | 0.119                                     | 1.112                                                                       | 2030                                 |
|                  |                                           |                                                                             |                                      |

### **2. ACTION PLAN**

In order to implement its phase-out strategy, the Government has developed an Action Plan as follows:

- ❖ Establish the National Ozone Unit (NOU) within the Ministry of Health and Environment as the focal point for all activities related to the Montreal Protocol.
- ❖ Embark on a public awareness programme with technical assistance from UNEP and funding from the Multilateral Fund.
- ❖ Develop and implement control measures such as:
  - ♦ Prohibition of imports of equipment requiring CFCs, Halons, Carbon Tetrachloride and Methyl Chloroform;
  - ♦ Prohibition of new enterprises producing and/or assembling equipment, foams, or aerosols using CFC, Halons, Carbon Tetrachloride and Methyl Chloroform;
  - ♦ Requirements for the certification of technicians;
  - ♦ Establishment of Consumption or "Environment" Taxes on ODS;
  - ♦ Establishment of import quotas and permits for ODS;
  - ♦ Establishment of identification requirements on imported ODS;
  - ♦ Prohibition of investments for building new plants intending to use ODS;
  - ♦ Prohibition of the expansion of existing industry requiring use of CFCs, Halons, Carbon Tetrachloride and Methyl Chloroform based technology;
  - ♦ Reduction of import tariffs on equipment and materials required for the implementation of ODS phase-out projects; and
  - ♦ Reduction of import tariffs on equipment intended to use ozone friendly technology;
- ❖ Train the Customs Department, Bureau of Statistics and NOU in the monitoring and collection of data to meet the reporting requirements of the Protocol.
- ❖ Implement a Recovery and Recycling project after implementing the necessary legislation and economic instruments to increase the price of virgin CFC-12, HCFC-22 and R-502.
- ❖ Establish networks and sites for the recovery and recycling of ODS and the operation of the same.
- ❖ Establish a monitoring (inventory) system for ODS imports and consumption.

## *Country Programme – St. Vincent and the Grenadines*

- ❖ Establish a training programme for refrigeration and air-conditioning technicians.

### 3. PROJECTS

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

| Name of Project             |                                               | Date       | Estimated Cost (US\$) | Funds sought from MLF (\$US) | ODS Consumed (ODP Tonnes)                           |
|-----------------------------|-----------------------------------------------|------------|-----------------------|------------------------------|-----------------------------------------------------|
| Institutional Strengthening |                                               | 1998- 2001 | 65,000                | 30,300                       | N/A                                                 |
| Refrigerant Management Plan | i) Technician Training                        | 1998       | 40,000                | 40,000                       | CFC-11 – 0.205<br>CFC-12 – 0.912<br>HCFC-22 – 0.062 |
|                             | ii) Training in Monitoring and Control of ODS | 1998-1999  | 25,000                | 25,000                       | N/A                                                 |
| TOTAL                       |                                               |            | 130,000               | 95,300                       |                                                     |

### 4. COSTS

|                                                              |              |
|--------------------------------------------------------------|--------------|
| ODP to be phased-out tonnes                                  | 3.648 ODP    |
| Total Cost of phase-out                                      | US\$ 130,000 |
| Cost of projects being submitted with this Country Programme | US\$ 95,300  |
| Cost effectiveness                                           | US\$ 25.9/kg |

## EXECUTIVE SUMMARY

St. Vincent and the Grenadines signed the Montreal Protocol in September 1997 and qualifies as an Article 5 country. As a first step to complying with the provisions of the Protocol, the Government of St. Vincent and the Grenadines has carried out a national survey and formulated its Country Programme with technical assistance from UNEP and funding assistance from the Multilateral Fund.

The Country Programme provides data on consumption and use of ODS in St. Vincent and the Grenadines and expresses the commitment of the Government to phase-out its consumption of ODS. An Action Plan has been prepared and will be implemented after review and modifications. The purpose of the Action Plan is to ensure a smooth phase-out without causing undue economic hardship to the industrial, commercial and, in particular, the domestic consumers.

St. Vincent and the Grenadines do not produce any ODS and all its requirements are met through imports. The total 1996 ODS consumption amounted to 3.648 ODP Tonnes, (not including R-22), resulting in a consumption of 0.034 kg/capita. The main consumption of ODS is in the Refrigeration and Air-Conditioning sector, comprising nearly 100% of total use.

The Government of St. Vincent and the Grenadines 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 the availability of a supply of CFCs to meet the service requirements of existing CFC based equipment to enable them to operate to the end of their economic life. It is expected that by 2010, most equipment will have been retrofitted or replaced with ozone friendly technology, with some CFC-12 based domestic refrigeration equipment and HCFC-22 equipment remaining. Market forces, such as increasing prices and non-availability of CFCs and CFC 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 strongly encourage recovery and recycling to meet the service requirements of any ODS based equipment.

The Government has nominated the Ministry of Health and Environment as the focal point for Montreal Protocol activities. An Institutional Strengthening project is submitted for the formation of the National Ozone Unit (NOU). The NOU will be constituted within the Ministry to act as the focal point and will coordinate and monitor activities supporting a complete phase-out of ODS. Since nearly all ODS used in this country are refrigerants, a Refrigerant Management Plan (RMP) is also being submitted, along with its associated projects.

A total of US\$ 95,300 is being requested from the Multilateral Fund to implement the projects. This will be supplemented by funds from the Government of St. Vincent and the Grenadines.