



**United Nations
Environment
Programme**



Distr.
LIMITED

UNEP/OzL.Pro/ExCom/22/67
27 April 1997

ORIGINAL: ENGLISH

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

Twenty-second Meeting
Nairobi, 28-30 May 1997

COUNTRY PROGRAMME: WESTERN SAMOA

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 Western Samoa
- Country Programme Cover Sheet
- Country Programme (Executive Summary)

WESTERN SAMOA COUNTRY PROGRAMME EVALUATION SHEET

National Ozone Unit, Department of Lands, Surveys and Environment

Status of ratification of the Vienna Convention and the Montreal Protocol

Vienna Convention (1985)	Signature	Ratification	Entry into force
Montreal Protocol (1987)		21-Dec-92	21-Mar-93
London Amendment (1990)		21-Dec-92	21-Mar-93
Copenhagen Amendment (1992)			

Production of controlled substances: No controlled substances produced

Consumption of controlled substances (1995) 4.4 metric tonnes
4.4 weighted tonnes (ODP)

(tonnes)	CFC-11	CFC-12	CFC-113	CFC-114	CFC-115	TOTAL Halon1211	Halon1301	TOTAL	CTC	MCF	TOTAL	Me-Br
ODS		4.4				4.4						
ODP		4.4				4.4						

Distribution of ODP by substance: CFC 100.0% Halon CTC and MCF

Distribution of ODP by sector: Aerosol Foam Halon Refrigeration Solvent Other

Consumption (ODP tonnes): 0.0 0.0 0.0 4.4 0.0 0.0

Percent of total: 100.0%

Country Programme

Duration of country programme: 6 years (1995-2000)

ODS phase out target: Complete phase-out by 2000

Phase out priority area: Refrigeration servicing sector

Cost of activities in country programme: \$56,470

Strategy:

The Government strategy is aimed at complying with consumption and phase out use of ODS established by the Montreal Protocol as soon as economically possible through the development of regulatory instruments within the existing legal framework; maintaining a supply of ODS for existing equipment until new systems have been commissioned and ODS substitutes are readily available; raising public and industry awareness; developing local expertise in ODS-alternative technology and involving stakeholders in the implementation of the phase out programme.

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 4.4 metric tonnes of CFC-12 used for servicing refrigeration equipment: 1.8 tonnes for domestic refrigerators, 2.2 tonnes for commercial and industrial equipment and 0.4 tonnes for MACs.

2. About 75% of the refrigeration service technicians are members of the Western Samoa Refrigeration and Engineering Association. Most service companies are very small, staffed with one or two technicians, and are mainly based in the capital city. The service workshops are not well capitalized, and equipping themselves to service new non-ODS systems will place a significant strain on their economic viability. No formal qualifications are required to service refrigeration equipment, although about 50% of the technicians have received technical education. Currently, several refrigerant recovery units are being used by some technicians. One recovery unit is used for training technicians at the Polytechnic School.

3. The country programme includes a project for the establishment of a Ozone Unit within the Department of Lands, Surveys and the Environment (institutional strengthening). The Government of Western Samoa is requesting a total of US \$30,000 for the implementation of this project.

4. The main responsibilities of the Ozone Unit would include: formulation, implementation and monitoring of a Refrigeration Management Plan and the associated projects for policies, strategies, laws, regulations, incentives, agreements with the private sector and implementation of other measures required for phase out of ODS; 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.

5. A project proposal for the preparation of a national refrigerant management plan by UNEP is included in the country programme. UNEP will submit the request separately to the Executive Committee at a future meeting.

RECOMMENDATIONS

The Fund Secretariat recommends as follows:

1. To approve the Western Samoa 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 Western Samoa 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 31 May 1997 to 31 December 1997, should be submitted to the Fund Secretariat no later than 31 March 1998.

3. To approve the amount of US \$30,000 and US \$3,900 support cost for institutional strengthening to be included in UNEP's 1997 work programme. To request UNEP to proceed with the disbursement of the first one-year tranche of the funds approved for institutional strengthening, but subsequent disbursements to be contingent on the submission of a report to the Executive Committee on the status of development of a refrigerant management plan (Decision 20/4).

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OUR REF:

YOUR REF:

GOVERNMENT OF WESTERN SAMOA
DEPARTMENT OF LANDS , SURVEYS
AND ENVIRONMENT

7 April 1997

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

Dear Sir,

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

Western Samoa acceded to both the Vienna Convention and the Montreal Protocol on 25 January 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 Western Samoa for the assistance extended to it through the UNEP IE OzonAction programme for the preparation of the Country Programme. I am pleased to say that the Government of Western Samoa 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 assistance made in respect of the following projects:

1. Institutional Strengthening
2. Preparation of Refrigeration Management Plan

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

Yours sincerely


Seumanutafa Tiavolo

Acting Director of Lands, Surveys and Environment.

COUNTRY PROGRAMME COVER SHEET

Country Western Samoa

Date Received

Lead National Agency Ozone Unit, Department of Lands,
Surveys and Environment

Period Covered by Country Program 1995 to 2000

Lead Implementation Agency United Nations Environment
Programme (UNEP)

1. PHASE OUT SCHEDULE

Substance	Current (1995) Consumption in ODP Tonnes	Planned Total Consumption (1995 - 2010) Until Phase Out in ODP Tonnes	Planned Year of Phase Out
Annex A Group I: CFC-12	4.43	14.23	2000
Total	4.43	14.23	

2. GOVERNMENT ACTION PLAN

YEARS	DESCRIPTION	SECTOR IF ANY	Intended Effect
1997	Ban on imports of ODS-containing products	Aerosols and Halons	Prevent dumping
1997	Prohibition of ODS containing equipment	Refrigeration	Prevent dumping
2000	Ban on ODS imports	All	Phase-out
1997	Accreditation	Refrigeration	Control users of ODS
1997-2000	Training and Public awareness activities	All	Enhance national commitment
1997	Registration	Refrigeration	Control purchasers of ODS
1997	Code of Practice	Refrigeration	Reduce service losses
1997-2000	Monitor imports	All	Prevent illegal imports

3. PROJECT SUMMARY

Two projects are being submitted for consideration for funding:

PROJECT	FUNDS REQUESTED FROM MLF US \$	GOVT. CONTRIBUTIO N US \$	IMPLEME NTING AGENCY
Institutional Strengthening project	30000	8750	UNEP
Development of Refrigeration Management Plan	15000	-	UNEP

One project is included for information purposes only:

PROJECT	COST OF PROJECT (US\$)	TIME-FRAME
Training of service technicians	11470	After development of Refrigeration Management Plan

5. COSTS

Cost of activities and projects in the Country Programme:	US\$ 56,470
Funds being requested from the Multilateral Fund:	US\$ 45,000
Estimated cost effectiveness:	US\$ 12.7/ kg

EXECUTIVE SUMMARY

Western Samoa depends heavily on refrigeration and air conditioning, which are required for key segments of its economy - preservation and transport of food, and tourism. Many refrigeration and air conditioning systems contain CFC 12, which damages the stratospheric ozone layer, and has been classified as a controlled substance under the Montreal Protocol.

The Government of Western Samoa ratified the Montreal Protocol on Substances that Deplete the Ozone Layer on 25 January 1993, and this Country Programme presents a comprehensive action plan to phase out ODS consumption.

Western Samoa's current consumption of ODS is about 0.027 kg per capita, and hence it is eligible for concessions under paragraph 1 of Article 5 of the Protocol.

A 1995 survey of ODS consumption in Western Samoa found that 4.43 tonnes were consumed in that year, all of it CFC 12. All the consumption was for servicing equipment. The commercial and industrial refrigeration and air conditioning sector consumed 48%, mobile air conditioners 10% and domestic refrigerators 42%. There are also small quantities of methyl bromide used, and a few halon BCF extinguishers are present, but are no longer being serviced, and therefore the consumption of halon is zero.

The Action Plan, contained in the Country Programme, adopts an accelerated timetable which will phase out ODS in Western Samoa by the year 2000. The Action Plan contains a comprehensive range of measures that will ensure that this target is met.

The main features of the Action Plan are legislative bans and restrictions of ODS and equipment based on ODS. For any phase-out programme to be successful it must be based on a high level of awareness of its objectives, and ownership by the main stakeholders. Therefore the Action Plan depends on the conduct of a extensive public and industry awareness campaign. Industry is an important partner to carrying through many elements of the Plan, and through a registration to purchase ODS, and accreditation to use ODS, the refrigeration service industry will play its part in conserving existing stocks of ODS by reducing unnecessary emission. Training will be provided to this sector to ensure that they have the skills required to effectively maintain and repair equipment with minimum release of ODS to the atmosphere.

Western Samoa is remote from many technical developments with non-ODS technology, and therefore assistance will be required to identify technical barriers to changeover, and develop strategies to address them. An early project of the Action Plan will be to develop a Refrigeration Management Plan which will address these issues.

It is important that Western Samoa's participation in meeting its obligations under the Montreal Protocol does not cause unnecessary economic hardship, and assistance is being sought from the Multilateral Fund to support a number of important projects that are essential to the success of the Action Plan.

ANNEX I

PROJECT COVER SHEET

PROJECT 1

COUNTRY:	Western Samoa
SECTORS COVERED:	All
PROJECT TITLE:	Institutional Strengthening Project
PROJECT DURATION:	Three years
TOTAL BUDGET:	\$US 38,750
IMPLEMENTING AGENCY:	UNEP
NATIONAL COORDINATING AGENCY:	National Ozone Committee

PROJECT DESCRIPTION

The project establishes a National Ozone Unit (NOU) within the Department of Lands, Surveys and Environment which will support, coordinate and implement the Action Plan which addresses the reduction and phase out of ODS in Western Samoa. The NOU will provide the necessary institutional strengthening to ensure the coordination of projects, activities and development of a legislative framework.

The Action Plan in the Country Programme identifies a wide range of activities to be undertaken by agencies both within and outside government. There are also a large number of stakeholders that will be affected by the Action Plan.

The NOU will be administered by the lead agency, the Department of Lands, Surveys and the Environment and will be located in the Division of Environment and Conservation. It will provide secretarial support to the National Ozone Committee, which is a Cabinet approved body consisting of various Governmental, industry and Non-Governmental agencies which deal with the handling and control of ODS. This Committee will bring together the major stakeholders to provide a strategic overview and act as a steering committee for the programme.

The NOU will create the institutional framework and coordinate the day to day activities of the Action Plan, monitor ODS consumption and report to UNEP on progress towards phase out of ODS in accordance with the Action Plan and ensure that the Government commitments to the Montreal Protocol are fulfilled. The Ozone Unit will also ensure that the activities of the Industry Board and Polytechnic are coordinated with the Action Plan.

It will act as the coordinator for the Action Plan and report to the Assistant Director of the Division of Environment who will also be chairman of the National Ozone Committee. The officer will also act as secretary to the National Ozone Committee and ensure that reports the progress of implementation are prepared and distributed to members of the National Ozone Committee and relevant agencies.

For the successful implementation of the Country Programme, the following activities will be undertaken:

- Formulate, implement and monitor the Refrigeration Management Plan and the associated projects;
- prepare project proposals for policies, strategies, laws, regulations, incentives, agreements with the private sector and
- implement other measures required for phase out of ODS.
- act as a Secretariat for the National Ozone Committee on ODS.
- coordinate and facilitate activities related to the phase out of ODS
- collect, collate, analyze and disseminate information on the ozone problem and related issues to relevant stakeholders
- support and manage public awareness campaigns, and prepare materials (including translating it into Samoan where necessary)
- serve as a point of contact for the Multilateral Fund, Montreal Protocol and other implementing agencies
- monitor phase out projects and ODS consumption and report to the National Ozone Committee and UNEP
- give advice and support to industry, end users and relevant organizations on phase out options decide when additional technical expertise is required and help arrange for it to become available
- report annually to the Ozone Secretariat, UNEP in Nairobi-Kenya on the ODS consumption in the country according to Article 7 of the Montreal Protocol; and

- report annually to the Executive Committee of the Multilateral Fund on the progress in the implementation of the Country Programme, according to the decision taken by the Executive Committee of the Multilateral Fund at its 10th meeting.

The main purpose for the establishment of the NOU is for the efficient coordination of activities pertaining to Western Samoa fulfilling its obligations under the Montreal Protocol. The institutional strengthening provided by this project will ensure that the phase-out of ODS is coordinated, cost effective and that all targets are met.

Due to competing demands on Western Samoa's limited resources and budgetary constraints, the necessary funds are being sought from the Multilateral Fund

PROJECT TIME FRAME

The project commencement date is expected to be May 1997 and the completion date will be April 2000.

PROJECT BUDGET:

	1997-8 US \$	1998-9 US \$	1999- 2000 US \$	Govt. Contribution	Requested from the MLF
Office space, rent, furniture, transport etc	4750	2000	2000	8750	
Computer, printer, photocopying and machine	8,500				8500
Project Co-ordinator	5000	5000	5000		15000
Telecommunications and service charges, office supplies etc	1000	1000	1500		3500
Public awareness campaigns	1000	1000	1000		3000
TOTAL				8750	30000
PROJECT TOTAL				38750	