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EXECUTIVE COMMITTEE OF  
THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Forty-fourth Meeting  
Prague, 29 November-3 December 2004

**PROJECT PROPOSALS: BELIZE**

This document consists of the comments and recommendations of the Fund Secretariat on the following project proposals:

Refrigeration

- Implementation of the refrigerant management plan: certification and licensing of refrigeration technicians UNEP
- Implementation of the refrigerant management plan: prevention of illegal CFC trade UNEP
- Implementation of the refrigerant management plan: monitoring the activities UNEP
- Implementation of the refrigerant management plan: technical assistance for the refrigeration servicing sector UNDP

**PROJECT EVALUATION SHEET – NON-MULTI-YEAR PROJECTS**  
**COUNTRY: BELIZE**

**PROJECT TITLES** **BILATERAL/IMPLEMENTING AGENCY**

(a) Implementation of the refrigerant management plan: certification and licensing of refrigeration technicians	UNEP
(b) Implementation of the refrigerant management plan: prevention of illegal CFC trade	UNEP
(c) Implementation of the refrigerant management plan: monitoring the activities	UNEP
(d) Implementation of the refrigerant management plan: technical assistance for the refrigeration servicing sector	UNDP

<b>NATIONAL CO-ORDINATING AGENCY</b>	Ozone Unit
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**LATEST REPORTED CONSUMPTION DATA FOR ODS ADDRESSED IN PROJECT**

**A: ARTICLE-7 DATA (ODP TONNES, 2003, AS OF 21 OCTOBER 2004)**

CFC	15.10		
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**B: COUNTRY PROGRAMME SECTORAL DATA (ODP TONNES, 2003 AS OF 21 OCTOBER 2004)**

ODS Name	Sub-sector/quantity
CFC	Refrigeration-servicing: 15.05

<b>CFC consumption remaining eligible for funding (ODP tonnes)</b>	22.72
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CURRENT YEAR BUSINESS PLAN ALLOCATIONS		Funding US \$ million	Phase-out ODP tonnes
	(a) to (c)	76,000	-
	(d)	100,000	6.7

PROJECT TITLE:	Certification and licensing of refrigeration technicians	Prevention of illegal CFC trade	Monitoring activities	Technical assistance for the refrigeration servicing sector
<b>ODS use at enterprise (ODP tonnes):</b>				
<b>ODS to be phased out (ODP tonnes):</b>				
<b>ODS to be phased in (ODP tonnes):</b>				
<b>Project duration (months):</b>	36	36	36	36
<b>Initial amount requested (US \$):</b>	57,000	35,000	44,000	119,000
<b>Final project cost:</b>				
Incremental Capital Cost (US \$)	33,682	22,611	27,140	44,879
Contingency (10%) (US \$)				
Incremental Operating Cost (US \$)				
Total Project Cost (US \$)	33,682	22,611	27,140	44,879
<b>Local ownership (%):</b>	100%	100%	100%	100%
<b>Export component (%):</b>	0%	0%	0%	0%
<b>Requested grant (US \$):</b>	33,682	22,611	27,140	44,879
<b>Cost-effectiveness (US \$/kg):</b>				
<b>Implementing agency support cost (US \$):</b>	4,379	2,939	3,528	4,039
<b>Total cost of project to Multilateral Fund (US \$):</b>	38,061	25,550	30,668	48,918
<b>Status of counterpart funding (Y/N):</b>				
<b>Project monitoring milestones included (Y/N):</b>	Y	Y	Y	Y

<b>SECRETARIAT'S RECOMMENDATION</b>	Blanket approval at the costs indicated above
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## PROJECT DESCRIPTION

1. The Government of Belize has submitted a refrigerant management plan (RMP) project proposal for the consideration of the Executive Committee at its 44th Meeting.
2. According to the project proposal, in 2003, the total consumption of ODSs in Belize was 14.4 ODP tonnes of CFC-12 used in the refrigeration servicing sub-sector (1.2 ODP tonnes in domestic refrigeration, 2.7 ODP tonnes in commercial and industrial refrigeration, and 10.5 ODP tonnes in MAC). The Article 7 data reported by Belize indicated consumption of 15.05 ODP tonnes. The CFC baseline for compliance is 24.4 ODP tonnes.
3. Belize started the implementation of its RMP in 2000. Since then, the following results were achieved:
  - (a) Establishment of the Ozone Unit and a national network of cooperating organizations and individuals, which have succeeded in timely delivery of the RMP objectives;
  - (b) Enactment of a legal framework, thus allowing a better control the import and use of ODSs and ODS-using equipment;
  - (c) Reduction in CFC consumption from 24.9 ODP tonnes in 1998 to 14.4 ODP tonnes in 2003; and
  - (d) Full implementation of six ODS-related projects and activities with a funding level of US \$401,825.
4. Belize is facing additional challenges for complying with its Montreal Protocol obligations in the immediate future, namely:
  - (a) About 15 and 60 per cent of the current CFC consumption would need to be phased out to achieve the 2005 and 2007 Montreal Protocol's limits respectively;
  - (b) The national economy has been growing for the last four years, which could increase the level of CFC consumption;
  - (c) All the CFC consumption is concentrated in the refrigeration servicing sector, posing more challenges for achieving lasting reductions, and
  - (d) New needs have been identified in order to establish a firmer hold on CFC consumption in the refrigeration sector, including the need to strengthen some of the initiatives already in place.

5. In order to enable the country to comply with its future Montreal Protocol obligations, the Government of Belize is proposing to implement the following activities:

- (a) Certification and licensing of refrigeration technicians (US \$57,000), to enforce the use of good servicing, maintenance and containment practices in the refrigeration sector by designing and implementing a “Certification and Licensing System” for refrigeration technicians;
- (b) Prevention of illegal CFC trade (US \$35,000), to reinforce the work of the Customs and Excise Department and enforce the application of the ODS import/export licensing system through the organization of meetings with Customs officials and related personnel, and the creation of an “Ozone Protection Information and Enforcement Unit”;
- (c) Monitoring programme (US \$44,000), to provide regular and continuous monitoring of all the activities approved under the RMP to facilitate the rapid identification of obstacles and problems, and the timely design and implementation of the appropriate corrective measures; and
- (d) Technical assistance to the refrigeration-servicing sector (US \$119,000), to provide sets of tools and spare parts needed for good servicing practices as well as additional recovery machines, suitable for local conditions.

6. The Belize RMP project was submitted with an official letter from the Chief Environmental Officer of the Department of the Environment of Belize stating the Government's commitment to achieve, without further requests for funding, at least 50 per cent reduction in CFC consumption by 2005 and 85 per cent reduction by 2007.

## **SECRETARIAT'S COMMENTS AND RECOMMENDATIONS**

### **COMMENTS**

#### Compliance with the Montreal Protocol by Belize

7. At their 13th Meeting, the Parties to the Montreal Protocol noted that for the control period 1 July 1999 to 30 June 2000, Belize was in non-compliance with its obligations under Article 2A of the Montreal Protocol and requested Belize to submit to the Implementation Committee a plan of action with time-specific benchmarks to ensure a prompt return to compliance. The Parties also decided that to the degree that Belize was working towards meeting the specific Protocol control measures, Belize should continue to be treated in the same manner as a Party in good standing (Decision XIII/22).

8. Subsequently, at their 14th Meeting, the Parties express their concern about Belize's non-compliance status but to note that it has submitted a plan of action with time-specific benchmarks to ensure a prompt return to compliance. In this regard, the Government of Belize committed to reduce its CFC consumption from 28 ODP tonnes in 2001 to: 24.4 ODP tonnes

in 2003; to 20 ODP tonnes in 2004; to 12.2 ODP tonnes in 2005; to 10 ODP tonnes in 2006; to 3.66 ODP tonnes in 2007; and to phase-out CFC consumption by 1 January 2008 as provided under the Montreal Protocol save for essential uses that might be authorized by the Parties. The Government of Belize also committed to establish, by 1 January 2003, a system for licensing imports and exports of ODS and to ban, by 1 January 2004, imports of ODS-using equipment. The Parties also decided to closely monitor the progress of Belize with regard to the phase-out of ODSs (Decision XIV/33).

9. In regard to the ODS legislation, the Secretariat noted that the Government of Belize has issued an Amendment to the 2002 Pollution Regulations, which includes, among others, the following directives:

- (a) Incorporating the duties of the Ozone Programme in Belize into the roles and responsibilities of the Department of the Environment;
- (b) Requiring special permits for import or sale of bulk ODS. Special permits are required for in-transit of any ODSs in any Free Zone of Belize. Importers and end-users of CFCs are required to keep a record of their purchases and report them annually;
- (c) Imposing bans on the import or sale of bulk quantities of CFC-11, the import or sale of used CFC-based domestic refrigerators or freezers, ODS-containing aerosols except those for essential uses such as MDI, and CFC-based MAC systems, air conditioners and chillers, and imports of small cans containing less than 16 ounces of ODSs; and
- (d) Regulations for training and certification of refrigeration service technicians and for labelling retail containers containing CFCs or mixtures thereof, to conform to the requirements of the Belize National Standard Specifications for Labelling.

10. The Secretariat also notes that the 2003 CFC consumption reported by Belize under Article 7 (15.1 ODP tonnes) was below the 2003 and 2004 levels in the plan of action considered by the Parties to the Montreal Protocol at their 14th Meeting.

#### Cost of the RMP project

11. The total funding so far approved for Belize in the refrigeration-servicing sector amounts to US \$236,625. As per Decision 31/48, the total maximum funding for the RMP update for Belize would be US \$128,312 (at 50 per cent of the total amount previously approved). Subsequently, UNDP and UNEP revised the project budget accordingly. The revised RMP update consists of the following sub-projects:

- (a) Certification and licensing of refrigeration technicians (US\$33,682);
- (b) Prevention of illegal CFC trade (US \$22,611);
- (c) Monitoring programme (US \$27,140); and

- (d) Technical assistance for the refrigeration-servicing sector (US \$44,879).

## RECOMMENDATIONS

12. The Fund Secretariat recommends blanket approval of the projects at the funding level indicated below, on the understanding that:

- (a) The Government of Belize would have flexibility in utilizing the resources available under the technical assistance programme to address specific needs that might arise during project implementation;
- (b) To the extent possible, the technical assistance programme should be implemented in stages so that resources could be diverted to other activities, such as additional training or procurement of service tools if the proposed results are not achieved, and should not commence until the legislation controlling CFC imports was in place and measures had been taken to ensure that the local market prices of CFCs and non-ODS refrigerants are at least similar; and
- (c) UNEP would provide appropriate monitoring throughout project implementation.

	<b>Project Title</b>	<b>Project Funding (US\$)</b>	<b>Support Cost (US\$)</b>	<b>Implementing Agency</b>
(a)	Implementation of the refrigerant management plan: certification and licensing of refrigeration technicians	33,682	4,379	UNEP
(b)	Implementation of the refrigerant management plan: prevention of illegal CFC trade	22,611	2,939	UNEP
(c)	Implementation of the refrigerant management plan: monitoring the activities	27,140	3,528	UNEP
(d)	Implementation of the refrigerant management plan: technical assistance for the refrigeration servicing sector	44,879	4,039	UNDP

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