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EXECUTIVE COMMITTEE OF  
THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Forty-ninth Meeting  
Montreal, 10-14 July 2006

**PROJECT PROPOSAL: TRINIDAD AND TOBAGO**

This document consists of the comments and recommendation of the Fund Secretariat on the following project proposal:

Phase-out

- Terminal phase-out management plan (second tranche)

UNDP

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**PROJECT EVALUATION SHEET – MULTI-YEAR PROJECTS  
TRINIDAD AND TOBAGO**

**PROJECT TITLE** **BILATERAL/IMPLEMENTING AGENCY**

(a)	Terminal phase-out management plan (second tranche)	UNDP
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<b>NATIONAL CO-ORDINATING AGENCY:</b>	National Ozone Unit, Environmental Management Authority
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**LATEST REPORTED CONSUMPTION DATA FOR ODS ADDRESSED IN PROJECT**

**A: ARTICLE-7 DATA (ODP TONNES, 2005, AS OF MAY 2006)**

Annex A, Group I	18.31		
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**B: COUNTRY PROGRAMME SECTORAL DATA (ODP TONNES, 2005, AS OF MAY 2006)**

ODS	Foam	Ref.	Aerosol	ODS	Solvents	Process agent	Fumigant
CFC-12		Servicing: 17.81					
CFC-115		Servicing: 0.50					

<b>CFC consumption remaining eligible for funding (ODP tonnes)</b>	n/a
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**CURRENT YEAR BUSINESS PLAN:** Total funding US 258,000: total phase-out 40.2 ODP tonnes.

<b>PROJECT DATA</b>	2003	2004	2005	<b>2006</b>	2007	2008	Total
Montreal Protocol limits	120.0	120.0	60.0	<b>60.0</b>	60.0	60.0	
Annual consumption limit	77.0		34.1	<b>34.1</b>	0		77.0
Annual phase-out from ongoing projects							
Annual phase-out newly addressed			42.9	<b>34.1</b>	0		77.0
Annual unfunded phase-out							
<b>TOTAL ODS CONSUMPTION TO BE PHASED OUT</b>							
Project cost as originally submitted (US \$)							460,000
<b>Total project funding for UNDP (US \$)</b>	<b>220,000</b>			<b>240,000</b>			<b>460,000</b>
<b>Total support costs for UNDP (US \$)</b>	<b>16,500</b>			<b>18,000</b>			<b>34,500</b>
<b>TOTAL COST TO MULTILATERAL FUND (US \$)</b>	<b>236,500</b>			<b>258,000</b>			<b>494,500</b>
Final project cost effectiveness (US \$/kg)							n/a

**FUNDING REQUEST:** Approval of funding for the second tranche (2006) as indicated above.

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

1. On behalf of the Government of Trinidad and Tobago, UNDP has submitted for consideration by the Executive Committee at its 49th Meeting, a request for the second and last tranche of funding for the implementation of the terminal ODS phase-out management plan (TPMP) at the amount of US \$240,000 plus agency support costs of US \$18,000 for UNDP. The Government of Trinidad and Tobago has also submitted a progress report on the implementation of the first work programme.

### Background

2. The TPMP for Trinidad and Tobago was approved by the Executive Committee at its 40th Meeting, to completely phase out its CFC consumption by 1 January 2008 (UNEP/OzL.Pro/ExCom/40/44). Total funding of US \$460,000 was approved in principle by the Executive Committee, and US \$220,000 was approved for UNDP for the implementation of the first work programme (decision 40/55).

### Progress report on the implementation of the first work programme

3. Implementation of the TPMP commenced in January 2004. Since then, an import quota system has been designed and implemented, and data from ODS importers has been used to report ODS consumption to the Multilateral Fund and Ozone secretariats. Thirty senior refrigeration technicians have been trained as trainers, and have gone on to train another 420 technicians in good refrigeration practices. So far, 33 recovery machines have been procured and distributed to service workshops, 18 MAC systems have been retrofitted as part of demonstration exercises, and eight supermarkets have participated in the incentive rebate mechanism and have successfully conducted retrofitting/replacement of their refrigeration equipment.

### Plan of action for the second work programme

4. The Government of Trinidad and Tobago is requesting US \$240,000 plus agency support costs for UNDP for the implementation of the second and last work programme of the TPMP. The activities proposed include:

Activity	2006	2007	Cost (US\$)
Issue import licenses		Review 2006 imports and issue quota for year 2007	
Procurement of recovery and recycling machines	Start procurement of equipment	Receive equipment and short list recipients. Distribute equipment to recipient workshops during 2nd half of 2007	76,000
Technical support for the MAC and commercial refrigeration retrofit programme	Identify suitable service workshops; continue demonstration retrofits	Continue to identify suitable service workshops; continue demonstration retrofits	14,000

<b>Activity</b>	<b>2006</b>	<b>2007</b>	<b>Cost (US\$)</b>
Rebate incentive programme	Invite interested parties	Complete conversion of 4 to 6 supermarkets to non-CFC refrigerants	145,000
Training of refrigeration service technicians	Conduct two training programmes on good refrigeration servicing practices	Conduct two training programmes on good refrigeration servicing practices; conduct one additional train the trainers programme	5,000
Total cost (US\$)			240,000

## **SECRETARIAT'S COMMENTS AND RECOMMENDATION**

### **COMMENTS**

#### **CFC consumption**

5. The Secretariat noted with appreciation that the CFC level of consumption for 2005 reported in the project proposal is 18.3 ODP tonnes. This consumption is 15.8 ODP tonnes below the maximum allowable consumption agreed by the Government of Trinidad and Tobago and the Executive Committee. The Secretariat also noted that the consumption reported for 2005 is similar to the 2007 allowable CFC consumption for Trinidad and Tobago (i.e., 15 per cent of the CFC baseline). The CFC baseline for Trinidad and Tobago is 120.0 ODP tonnes.

6. Following a request by the Secretariat, UNDP indicated that the substantial reduction in CFC consumption as reported by the Government of Trinidad and Tobago has been achieved for the following reasons: active participation of the Environmental Management Authority, the Ministry of Public Utilities and the Environment, and the Project Management Team; a strong association of refrigeration servicing technicians that has participated in the transition towards reduced CFC dependence; the public awareness campaign that has been implemented; and the 1999 freeze on imports of CFC-based technologies.

#### **Sustainability of the ODS phase-out**

7. The Secretariat noted that the majority of the funding available for the second tranche of the TPMP would be used for procurement of additional recovery and recycling equipment (US \$76,000), retrofitting of MAC units (US \$14,000) and an incentive programme in the commercial refrigeration sector (US \$145,000). However, no funding has been proposed for a project management unit responsible for the preparation of annual action programmes, co-ordination of phase-out activities with major stakeholders, and monitoring and reporting.

8. Under the above circumstances, and taking into account the requirements of decision 41/100 on RMPs, the Secretariat suggested that UNDP examine the merits of providing all necessary support to the Government of Trinidad and Tobago within the eligible level of funding of the TPMP proposal. This would consist of a technical assistance programme including: providing basic servicing tooling to the certified refrigeration technicians; procurement of ancillary equipment for the recovery and recycling machines purchased through

the original RMP and, if needed, a few additional multi-refrigerant recovery and recycling units; and conducting cost-effective and technically viable retrofits of CFC-based refrigeration systems, to be determined on the basis of the needs identified over the 2-year project implementation time-frame. The Secretariat also suggested that part of the funding available be used to establish a project management unit.

9. The Government of Trinidad and Tobago and UNDP considered the Secretariat's suggestion and adjusted the sub-project components accordingly. It was agreed to establish a monitoring and evaluation unit that would be operational until the end of 2008 to facilitate the monitoring of the progress of non-CFC situation in the country. The proposed budget for incentives in the commercial sector would be reduced, and each request for retrofit will be considered on a case-by-case basis in order to determine its cost effectiveness. Basic servicing tools will be provided to technicians, and procurement of additional recovery and recycling equipment will not take place until the effectiveness of the equipment that had been previously procured has been fully assessed. Training will be extended to some of the technicians who were certified during the first phase of the TPMP.

## RECOMMENDATION

10. The Fund Secretariat recommends blanket approval of the project with associated support costs at the funding level shown in the table below, on the understanding that UNDP will continue to ensure performance and financial verification and will report to the Executive Committee that the control targets listed in the agreement and the associated activities have been met on an annual basis:

	<b>Project Title</b>	<b>Project Funding (US\$)</b>	<b>Support Cost (US\$)</b>	<b>Implementing Agency</b>
(a)	Terminal phase-out management plan for ODS (second tranche)	240,000	18,000	UNDP

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