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EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
Eightieth Meeting
Montreal, 13-17 November 2017

ANNOTATED PROVISIONAL AGENDA

1. Opening of the meeting

Opening remarks by the Chairperson of the Executive Committee.

2. Organizational matters

(a) Adoption of the agenda

Document UNEP/OzL.Pro/ExCom/80/1 contains the provisional agenda for the 80th meeting.

Issues to be addressed: None

The Executive Committee may wish to adopt the agenda of the meeting on the basis of the provisional agenda contained in document UNEP/OzL.Pro/ExCom/80/1 and, if necessary, as amended verbally at the plenary.

(b) Organization of work

The Chairperson will propose to the plenary the organization of work.

3. Secretariat activities

Document UNEP/OzL.Pro/ExCom/80/2 presents a report on the activities of the Secretariat since the 79th meeting of the Executive Committee.

Issues to be addressed: None

The Executive Committee may wish to take note of the Secretariat activities contained in document UNEP/OzL.Pro/ExCom/80/2.

Pre-session documents of the Executive Committee of the Multilateral Fund for the Implementation of the Montreal Protocol are without prejudice to any decision that the Executive Committee might take following issuance of the document.

4. Financial matters

(a) Status of contributions and disbursements

Documents UNEP/OzL.Pro/ExCom/80/3 provides information on the status of the Fund as recorded at UNEP as at 16 October 2017. The fund balance stood at US \$78,880,802, after taking into account all of the funds approved by the Executive Committee, up to and including the 79th meeting. The document also provides an analysis on the use of the fixed exchange rate mechanism (FERM)

Issues to be addressed:

- Applicability of the FERM to projects approved as bilateral contributions

The Executive Committee may wish:

- (a) To note:
 - (i) The report of the Treasurer on the status of contributions and disbursements and the information on promissory notes, the countries that opted to use the fixed-exchange rate mechanism (FERM) during the 2015-2017 triennium, and the implementation of the FERM contained in document UNEP/OzL.Pro/ExCom/80/3;
 - (ii) That the Government of Azerbaijan is taking steps towards paying its contribution to the Multilateral Fund from 2017 and onward;
- (b) To decide whether the FERM is not applicable to projects approved as bilateral contribution to the Multilateral Fund and, in such case, to request contributing Parties asking the Treasurer to facilitate the transfer of the funding of their bilateral contribution project, to deposit the total amount of the project in the accounts of the Multilateral Fund, in US dollars or in local currency using the exchange rate of the US dollar when the funds are transferred, before the funding can be transferred to an implementing agency;
- (c) To urge all Parties to pay their contributions to the Multilateral Fund in full and as early as possible; and
- (d) To request the Chief Officer and the Treasurer to continue following up with contributing Parties with outstanding contributions for one triennium or more and to report back to the 81st meeting.

(b) Report on balances and availability of resources

Document UNEP/OzL.Pro/ExCom/80/4 presents a summary of the funds being returned by the bilateral and implementing agencies. It includes data from all projects with balances that have been held for over 12-month following completion of the project, and addresses balances to be returned against “by-decision” projects. It indicates that US \$83,301,531 is available for approvals at the 80th meeting, after taking into account the Fund’s balance and the total amount returned by implementing agencies. An update on the balance and availability of resources will be provided at the 80th meeting

Issue to be addressed:

- As at 25 October 2017 there are insufficient resources available for potential approvals at the 80th meeting

The Executive Committee may wish:

(a) To note:

- (i) The report on balances and availability of resources contained in document UNEP/OzL.Pro/ExCom/80/4;
- (ii) That the net level of funds being returned to the 80th meeting by the implementing agencies was US \$4,443,934, consisting of US \$558,552, plus agency support costs of US \$44,491 from UNDP; US \$2,609,791, plus agency support costs of US \$229,320 from UNEP; US \$652,068, plus agency support costs of US \$47,948 from UNIDO; and US \$222,593, plus agency support costs of US \$79,171 from the World Bank;
- (iii) That the net level of funds to be returned to the Government of France was US \$21,755, plus agency support costs of US \$1,450;
- (iv) That UNDP held balances of US \$262,988, including agency support costs, for projects completed two years previously;
- (v) That UNEP held balances of US \$377,431, consisting of US \$219,231 and US \$158,200 in committed and not-committed balances, respectively, including agency support costs, for five projects completed over two years previously;
- (vi) That the Government of Japan held balances of US \$1,179,170, consisting of US \$365,464 and US \$813,706 in committed and not-committed balances, respectively, including agency support costs, for one completed project and two projects completed “by-decision of the Executive Committee”;

(b) To request:

- (i) Bilateral and implementing agencies to return, no later than the 81st meeting, the balances of all projects completed over two years previously;
- (ii) Bilateral and implementing agencies to disburse or to cancel commitments not needed for completed projects and project completed “by-decision of the Executive Committee” and to return balances to the 81st meeting;
- (iii) The Government of Japan and UNEP to return to the 81st meeting not-committed balance no longer required; and
- (iv) The Treasurer to offset US \$23,205 against the Government of France’s contribution in cash to the Fund.

(c) Accounts of the Multilateral Fund:

(i) Final 2016 accounts

Document UNEP/OzL.Pro/ExCom/80/5 contains the 2016 final accounts of the Multilateral Fund.

Issue to be addressed: None

The Executive Committee may wish:

- (a) To note the final financial statements of the Multilateral Fund as at 31 December 2016, prepared in accordance with the International Public Sector Accounting Standards, contained in document UNEP/OzL.Pro/ExCom/80/5; and
- (b) To request the Treasurer to record in the 2017 accounts of the Multilateral Fund the differences between the implementing agencies' provisional 2016 financial statements and their final 2016 financial statements, as reflected in Table 1 of document UNEP/OzL.Pro/ExCom/80/5.

(ii) Reconciliation of the 2016 accounts

Document UNEP/OzL.Pro/ExCom/80/6 presents the reconciliation of information from the 2016 accounts with the financial data of the implementing agencies in their annual progress and financial report as at 31 December 2016 and the Secretariat's Inventory of Approved Projects database also provides outstanding reconciling items between the progress and financial reports and the final accounts.

Issue to be addressed:

- Outstanding reconciling items between the progress report and final accounts for UNEP: of US \$110,654 in income; UNIDO of US \$226,995 in income and US \$231,782 in expenditures; and the World Bank of US \$135,304 in income

The Executive Committee may wish:

- (a) To note the reconciliation of the 2016 accounts contained in document UNEP/OzL.Pro/ExCom/80/6;
- (b) To request the Treasurer to withhold from the future transfer to:
 - (i) UNDP the amount of US \$309,668 representing the final 2016 interest;
 - (ii) UNIDO the amount of US \$78,754 representing the final 2016 interest;
 - (iii) The World Bank the amount of US \$131,618 representing the final 2016 investment income;
- (c) To request UNDP to adjust in its 2017 progress report:
 - (i) US \$56,760 in income representing additional funds approved for a project (IDS/PHA/64/INV/195) at the 66th meeting but not adjusted in its 2016 progress report;

- (ii) US \$312,406 representing interest from China's HCFC phase-out management plan, adjusted in UNDP's income but not reflected in its 2016 progress report;
 - (iii) US \$39 representing an incorrect adjustment for a project (DOM/PHA/77/INV/60) in its 2016 progress report;
 - (iv) US \$34 representing a rounding difference in agency support costs adjusted in UNDP's 2015 progress report but not in its 2016 progress report;
- (d) To request UNIDO:
- (i) To adjust US \$1,122 in its 2017 progress report, representing balances returned for several projects not correctly reflected in its 2016 progress report;
 - (ii) To reflect the amount of US \$2,055,000 in 2016 income in its 2017 accounts not recorded in 2016;
- (e) To request the World Bank to adjust the rounding difference of US \$7 with US \$4 from previous year;
- (f) To note that the following 2016 outstanding reconciling items would be updated prior to the 82nd meeting by relevant implementing agencies:
- (i) US \$110,654 in income between UNEP's progress report and final accounts;
 - (ii) US \$226,995 in income and US \$231,782 in expenditures between UNIDO's progress report and final accounts;
 - (iii) US \$135,304 in income between the World Bank's progress report and final accounts;
- (g) To note the standing reconciling items as follows:
- (i) UNDP, for unspecified projects, in the amounts of US \$68,300 and US \$29,054;
 - (ii) The World Bank, for the following projects implementing with other bilateral agencies where applicable:
 - Japan bilateral (THA/PHA/68/TAS/158) in the amount of US \$342,350;
 - Sweden bilateral (THA/HAL/29/TAS/120) in the amount of US \$225,985;
 - United States of America bilateral (CPR/PRO/44/INV/425) in the amount of US \$5,375,000;
 - United States of America bilateral (CPR/PRO/47/INV/439) in the amount of US \$5,375,000; and
 - Thailand chiller project (THA/REF/26/INV/104) in the amount of US \$1,198,946.

(d) Approved 2018, 2019 and proposed 2020 budgets of the Fund Secretariat

Document [UNEP/OzL.Pro/ExCom/80/7](#) contains the approved 2017, revised 2018 and 2019 budgets, and the proposed 2020 budget of the Fund Secretariat submitted for consideration by the Executive Committee. It indicates the return of US \$1,388,758 to the 80th meeting.

Issue to be addressed: None

The Executive Committee may wish:

(a) To note:

- (i) The document on approved 2017, revised 2018 and 2019, and proposed 2020 budgets of the Fund Secretariat contained in [UNEP/OzL.Pro/ExCom/80/7](#);
- (ii) That US \$62,802 expenditures not recorded in the 2016 accounts had been reallocated to the 2017 approved budget;
- (iii) The return of US \$1,388,758 (US \$1,345,650 from the approved 2016 budget for the Secretariat and US \$43,108 from the approved 2016 budget for the Senior Monitoring and Evaluation Officer) to the Multilateral Fund at the 80th meeting;

(b) To approve:

- (i) The revised 2018 and 2019 budget amounting to US \$7,402,419 and US \$7,540,205, respectively; and
- (ii) The proposed 2020 budget of US \$7,682,125 based on the revised 2019 budget with two meetings of the Executive Committee, and a 3 per cent increase in staff cost.

5. Country programme data and prospects for compliance

Document [UNEP/OzL.Pro/ExCom/80/8](#) contains the status of, and prospects of, compliance of Article 5 countries (Part I); Article 5 countries subject to decision by the Parties on compliance (Part II); and data on the implementation of CPs for HCFCs (Part III). The document also contains annexes providing methyl bromide consumption for quarantine and pre-shipment (QPS) applications (Annex I) and an HCFC consumption analysis of Article 5 countries (Annex II).

Issue to be addressed:

For Part I: Status of, and prospects of, compliance of Article 5 countries

- The Government of Burundi has not yet approved its formal quota system

For Part II: Article 5 countries that are subject to decisions on compliance

- None

For Part III: Data on the implementation of country programmes (CP) for HCFCs

- Data discrepancies between CP reports and Article 7 data (eight countries)
- Ten countries have not submitted 2016 country programme implementation data

The Executive Committee may wish:

- (a) To note:
 - (i) The document on country programme (CP) data and prospects for compliance contained in UNEP/OzL.Pro/ExCom/80/8;
 - (ii) That 133 countries had submitted 2016 CP data, 116 of them using the web-based system;
 - (iii) With concern that ten countries (Algeria, Djibouti, Dominica, Guinea-Bissau, Kuwait, Morocco, Saudi Arabia, South Sudan, Uganda and Yemen) had not submitted 2016 CP data as of 3 October 2017;
- (b) To request:
 - (i) UNEP to report to the 81st meeting on the finalization of the formal HCFC quota system by the Government of Burundi;
 - (ii) The Secretariat to send letters to the governments of countries with outstanding 2014, 2015 and 2016 CP data reports urging them to submit the reports immediately; and
 - (iii) To request relevant implementing agencies to continue assisting relevant governments in clarifying data discrepancies between 2015 CP data and A7 data for Morocco and Nigeria, and between 2016 CP data and A7 data for Argentina, the Philippines, South Africa, Swaziland, Syrian Arab Republic and Turkey, and report back to the 81st meeting.

6. Evaluation

(a) Final report on the evaluation of chiller projects

Document UNEP/OzL.Pro/ExCom/80/9 presents the report on the lessons learned from the second stage of the evaluation of chiller projects with co-funding modalities. It includes the conclusions of the eight individual country studies; the results for each specific issues and question that had been identified in the terms of reference for the study, i.e., chiller context, institutional and legislative issues, funding-related issues, and implementation issues; and a recommendation.

Issue to be addressed: None

The Executive Committee may wish:

- (a) To take note of the final report on the evaluation of chiller projects with co-funding modalities contained in document UNEP/OzL.Pro/ExCom/80/9; and
 - (b) To invite the bilateral and implementing agencies to apply, when appropriate, the lessons learned based on the key findings of the evaluation of chiller projects with co-funding modalities.
- (b) Desk study on the evaluation of the refrigeration servicing sector**

Documents UNEP/OzL.Pro/ExCom/80/10 and Corr.1 present the key conclusions and lessons learnt of the desk study; the results of each of the specific issues and questions identified in the

terms of reference of the study, namely: implementation issues, policy, legal and regulatory frameworks; refrigerant containment (recovery, recycling and reclamation); technology-related issues; training; awareness-raising and dissemination of information; funding-related issues; and sustainability.

Issue to be addressed: None

The Executive Committee may wish:

- (a) To take note of the desk study for the evaluation of the HCFC phase-out in the refrigeration servicing sector contained in documents UNEP/OzL.Pro/ExCom/80/10 and **Corr.1**; and
- (b) To invite the bilateral and implementing agencies to apply, when appropriate, the findings and recommendations of the evaluation of the HCFC phase-out in the refrigeration servicing sector in the implementation of projects in stage II of the HPMPs and in the phasing-down of HFCs.
- (c) **Draft monitoring and evaluation work programme for the year 2018**

Document UNEP/OzL.Pro/ExCom/80/11 includes the draft Monitoring and Evaluation work programme for 2018, which has been based on discussions by the Executive Committee on issues pertaining to monitoring and evaluation during previous meetings; the review of progress reports of on-going projects and project completion reports; and on discussions with implementing agencies and the Secretariat. Annexes I, II and III include the terms of reference for the proposed second phase of the evaluation of the refrigeration servicing sector, the desk study of the evaluation of capacity building activities for the customs departments and HCFC import/export licensing and quota systems, and gender mainstreaming in the Montreal Protocol projects and policies, respectively.

Issue to be addressed: None

The Executive Committee may wish: to approve the proposed monitoring and evaluation work programme for 2018 at a budget of US \$174,780 as shown in Table 2 of document UNEP/OzL.Pro/ExCom/80/11.

7. Programme implementation

(a) Status reports and reports on projects with specific reporting requirements

Document UNEP/OzL.Pro/ExCom/80/12 addresses the projects and activities for which status reports or specific reports were requested in previous meetings and those requiring the Executive Committee attention, including: implementation delays and special status reports (Part I); progress reports related to HPMPs including *inter alia* reports for Brazil and China, which are contained in the relevant project proposal document submitted to the 80th meeting¹ (Part II); low-global-warming potential (GWP) alternatives demonstration projects and feasibility studies (Part III); financial audit reports for non-HCFC projects in China (Part IV); ODS disposal (Part V); chiller projects (Part VI); and methyl bromide production phase-out in China (Part VII).

¹ Documents UNEP/OzL.Pro/ExCom/80/34 (Brazil) and UNEP/OzL.Pro/ExCom/80/37 (China).

Issue to be addressed:

Part I: Projects with implementation delays and for which special status reports were requested

Issues to be addressed: None

The Executive Committee may wish:

- (a) To note:
- (i) The status and implementation delays reports of the bilateral and implementing agencies submitted to the 80th meeting and contained in document UNEP/OzL.Pro/ExCom/80/12;
 - (ii) That bilateral and implementing agencies would report to the 81st meeting on four projects with implementation delays and on 22 projects recommended for additional status reports, as indicated in Annexes I and II, respectively, to the present document; and
- (b) To approve the recommendations on ongoing projects with specific issues listed in the last column of Annex II to document UNEP/OzL.Pro/ExCom/80/12.

Part II: Reports related to HCFC phase-out management plans (HPMPs)

Proposed change to the Agreement for stage I of the HPMP for Bahrain (UNEP and UNIDO)

Issues to be addressed:

- Request to revise the HPMP agreement to defer the third tranche until alternative technology has been tested in high ambient temperature regions and extension of stage I

The Executive Committee may wish:

- (a) To note the request to revise the Agreement for stage I of the HCFC phase-out management plan for Bahrain submitted by UNEP on behalf of the Government of Bahrain; and
- (b) To approve the revised Agreement as contained in Annex III to document UNEP/OzL.Pro/ExCom/80/12.

Stage I of the HPMP for Chile (verification of 2016 HCFC consumption) (UNDP)

Issues to be addressed: None

The Executive Committee may wish: to take note of the 2016 verification of HCFC consumption, as part of the HCFC phase-out management plan (stage I) for Chile, submitted by UNDP.

Temporary use of a high-GWP technology by enterprises that had been converted to a low-GWP technology in Cuba (UNDP)

Issues to be addressed: None

The Executive Committee may wish:

- (a) To note with appreciation, the report provided by UNDP, and the efforts made to facilitate the supply of low-global warming potential (GWP) technology to the enterprises Friarc and IDA in Cuba; and
- (b) To request UNDP to continue assisting the Government of Cuba in securing the supply of low-GWP alternative technology and to provide a report on the status of the conversion of the two enterprises in the foam sector in line with decision 77/50(b).

Stage I of the HPMP for India (annual progress report) (UNDP, UNEP, and the Government of Germany)

Issues to be addressed:

- Extension of the duration of stage I of the HPMP for India until 31 December 2017

The Executive Committee may wish:

- (a) To note the 2016 progress report on the implementation of stage I of the HCFC phase-out management plan (HPMP) for India, submitted by UNDP; and
- (b) To approve extension of the duration of stage I of the HPMP for India until 31 December 2017; on the understanding that no further extension of project implementation will be requested; and that the project completion report would be submitted to the 81st meeting.

Stage I of the HPMP for Indonesia (annual progress report) (UNDP, UNIDO, World Bank, and the Government of Australia)

Issues to be addressed: None

The Executive Committee may wish: to take note of the 2016 progress report on the implementation of stage I of the HCFC phase out management plan for Indonesia, submitted by UNDP.

Stage I of the HPMP for the Islamic Republic of Iran (annual progress report) (UNDP)

Issues to be addressed: None

The Executive Committee may wish: to take note of the 2017 progress report on the implementation of stage I of the HCFC phase-out management plan for the Islamic Republic of Iran, submitted by UNDP.

Stage I of the HPMP for Jordan (annual progress report) (UNIDO)

Issues to be addressed: None

The Executive Committee may wish: to take note of the 2017 progress report on the implementation of stage I of the HCFC phase-out management plan for Jordan, submitted by UNIDO.

Stage I of the HPMP for Malaysia (annual progress report) (UNDP)

Issues to be addressed:

- Extension of duration of stage I of the HPMP for Malaysia until June 2018

The Executive Committee may wish:

- (a) To note the 2016-2017 progress report on the implementation of stage I of the HCFC phase-out management plan (HPMP) for Malaysia, submitted by UNDP; and
- (b) To note that the Government of Malaysia was committed to completing implementation of stage I of the HPMP by 1 June 2018; that no further extension of project implementation would be requested; and that, in line with decision 77/36(a), the project completion report would be submitted to the second meeting in 2018.

Stage I of the HPMP for Mexico (annual progress report) (UNIDO)

Issues to be addressed: None

The Executive Committee may wish:

- (a) To take note of the 2017 progress report on the implementation of stage I of the HCFC phase-out management plan (HPMP) for Mexico submitted by UNIDO; and
- (b) To request the Government of Mexico, UNIDO and UNDP to include in the next progress report of stage I of the HPMP to be submitted to the last Executive Committee meeting in 2018 the final list of downstream foam enterprises assisted by the Multilateral Fund under stage I, including their HCFC-141b consumption phased out, subsector, baseline equipment and technology adopted.

Request for extension of stage I of the HCFC phase-out management plan (HPMP) for Nigeria (UNDP/UNIDO)

Issues to be addressed:

- Extension of the duration of stage I of the HPMP for Nigeria to December 2018

The Executive Committee may wish: to consider approving extension of the duration of stage I of the HPMP for Nigeria to December 2018, on the understanding that no further extensions will be requested and that the project completion report would be submitted to the first meeting in 2019.

Viet Nam: Progress report on the implementation of the work programmes associated with stage I of the HPMP (World Bank)

Issues to be addressed:

- Update on the submission of the project completion report in line with decision 76/49(e)

The Executive Committee may wish:

- (a) To note the completion of stage I of the HCFC phase-out management plan (HPMP) for Viet Nam;
- (b) To request:
 - (i) An update from the Secretariat on the submission of the project completion report; and
 - (ii) Any remaining balances to be returned to the 81st meeting.

Stage I of HPMPs for Brazil and China (annual progress reports)

Brazil: HCFC phase-out management plan (stage I) (2017 progress report) (UNDP)

Issues to be addressed:

- Extension of the duration of stage I of the HPMP for Brazil to December 2019

The Executive Committee may wish:²

- (a) To take note of the 2017 progress report on the implementation of the HCFC phase-out management plan (stage I) for Brazil, submitted by UNDP;
- (b) To approve the extension of the duration of stage I of the HPMP to December 2019 on the understanding that no further extensions will be approved;
- (c) To request the Government of Brazil, UNDP and the Government of Germany to continue submitting progress reports on a yearly basis on the implementation of the work programme associated with stage I of the HPMP until the completion of the project, and the project completion report to the first meeting of the Executive Committee in 2020;
- (d) To note that enterprises Shimteck and U-Tech in the polyurethane foam sector for which conversion had been approved based on a low-global warming potential (GWP) alternative was using HFC temporarily due to lack of availability of HFOs;
- (e) To request UNDP:
 - (i) To continue assisting Shimteck and U-Tech, during the implementation of the HPMP, to secure the supply of the alternative technologies selected, on the understanding that any incremental operating costs would not be paid until the alternative technology is fully introduced;
 - (ii) To report to the Executive Committee on the status of use of the interim technology selected by Shimteck and U-tech at each meeting until the original technology selected or another technology with a low-GWP had been fully introduced;
 - (iii) To include in the next progress report to be submitted to the last Executive Committee meeting in 2018:
 - a. The complete list of downstream foam enterprises assisted by the Multilateral Fund under stage I, including their HCFC-141b consumption phased out, subsector, baseline equipment and technology adopted; and
 - b. The status of implementation of the conversion of the enterprises Ecopur and Panisol, on the understanding that the remaining funds from the conversion of Ecopur will be returned to the Multilateral Fund in the event that the enterprise should withdraw from the project.

² Recommendation from paragraph 22 of document UNEP/OzL.Pro/ExCom/80/34

China: HCFC phase-out management plan (stage I) (2017 progress report) (extruded polystyrene foam sector plan) (UNIDO)

Issues to be addressed: None

The Executive Committee may wish:³

- (a) Noting the 2017 progress report on the implementation of the fifth tranche of the extruded polystyrene (XPS) foam sector plan of stage I of the HCFC phase-out management plan (HPMP) for China submitted by UNIDO; and
- (b) Requesting the Treasurer to offset future transfers to UNIDO by US \$12,621, representing additional interest accrued by the Government of China up to December 2016 from funds previously transferred for the implementation of the XPS foam sector plan for China, as per decision 69/24.

China: HCFC phase-out management plan (stage I) (2017 progress report) (polyurethane rigid foam sector plan) (World Bank)

Issues to be addressed: None

The Executive Committee may wish:⁴

- (a) Noting the 2017 progress report on the implementation of the fifth tranche of the polyurethane rigid (PU) foam sector plan of stage I of the HCFC phase-out management plan (HPMP) in China submitted by the World Bank; and
- (b) Requesting the Treasurer to offset future transfers to the World Bank by US \$4,813, representing interest accrued by the Government of China up to 31 December 2016 from funds previously transferred for the implementation of the PU foam sector plan for China, as per decision 69/24.

China: HCFC phase-out management plan (stage I) (2017 progress report) (industrial and commercial refrigeration and air conditioning sector plan) (UNDP)

Issues to be addressed: None

The Executive Committee may wish:⁵

- (a) Noting the 2017 progress report on the implementation of the industrial and commercial refrigeration and air conditioning (ICR) sector plan of stage I of the HCFC phase-out management plan (HPMP) in China submitted by UNDP; and
- (b) Requesting the Treasurer to offset future transfers to UNDP by US \$97,468, representing additional interest accrued by the Government of China up to 31 December 2016 from funds previously transferred for the implementation of the ICR sector plan for China in line with decision 69/24.

³ Recommendation from paragraph 32 of document UNEP/OzL.Pro/ExCom/80/37

⁴ Recommendation from paragraph 50 of document UNEP/OzL.Pro/ExCom/80/37

⁵ Recommendation from paragraph 64 of document UNEP/OzL.Pro/ExCom/80/37

China: HCFC phase-out management plan (stage I) (2017 progress report) (room air-conditioner manufacturing sector plan) (UNIDO)

Issues to be addressed: None

The Executive Committee may wish:⁶

- (a) Noting the 2017 progress report on the implementation of the room air-conditioning (RAC) sector plan of stage I of the HCFC phase-out management plan (HPMP) in China submitted by UNIDO; and
- (b) Requesting the Treasurer to offset future transfers to UNIDO by US \$49,273, representing interest accrued by the Government of China up to 31 December 2016 from funds previously transferred for the implementation of the RAC sector plan for China, as per decision 69/24.

China: HCFC phase-out management plan (stage I) (2017 progress report) (solvent sector plan) (UNDP)

Issues to be addressed: None

The Executive Committee may wish:⁷

- (a) Noting the 2017 progress report on the implementation of the solvent sector plan of stage I of the HCFC phase-out management plan (HPMP) in China submitted by UNDP; and
- (b) Requesting the Treasurer to offset future transfers to UNDP by US \$1,101, representing additional interest accrued by the Government of China up to December 2016 from funds previously transferred for the implementation of the solvent sector plan for China, as per decision 69/24.

China: HCFC phase-out management plan (stage I) (2017 progress report) (refrigeration servicing sector including enabling programme) (UNEP/Japan)

Issues to be addressed: None

The Executive Committee may wish:⁸

- (a) Noting the 2017 progress report on the implementation of stage I of the refrigeration servicing sector plan and the national enabling programme of stage I of the HCFC phase-out management plan (HPMP) in China submitted by UNEP; and
- (b) Requesting the Treasurer to offset future transfers to UNEP by US \$886, representing additional interest accrued by the Government of China up to December 2016 from funds previously transferred for the implementation of the servicing sector plan and enabling activities for China, as per decision 69/24.

⁶ Recommendation from paragraph 81 of document UNEP/OzL.Pro/ExCom/80/37

⁷ Recommendation from paragraph 91 of document UNEP/OzL.Pro/ExCom/80/37

⁸ Recommendation from paragraph 99 of document UNEP/OzL.Pro/ExCom/80/37

Part III: Demonstration projects for low-global-warming potential (GWP) alternatives to HCFCs and feasibility studies for district cooling (decision 72/40)

Issues to be addressed:

- Possible extension of five demonstration projects
- Possible cancellation of five demonstration projects
- Request for final reports of projects by 81st and 82nd meetings
- Guidance from Executive Committee as technology selection for project in the fisheries sector in the Maldives may not be based on low-GWP alternatives technology

The Executive Committee may wish:

- (a) To note the update on the progress in implementation of the demonstration project for ammonia semi-hermetic frequency-convertible screw refrigeration compression units in the industrial and commercial refrigeration industry at Fujian Snowman Co., Ltd., in China provided by UNDP, that no further extension of project implementation would be requested, and to request UNDP to submit the final report no later than the 82nd meeting;
- (b) To note the update on the progress in implementation of the demonstration of R-290 (propane) as an alternative refrigerant in commercial air-conditioning manufacturing at Industrias Thermotar Ltda in Colombia provided by UNDP, that no further extension of project implementation would be requested, and to request UNDP to submit the final report no later than the 81st meeting;
- (c) To note the update on the progress in implementation of the demonstration project to validate the use of hydrofluoro-olefins for discontinuous panels in Article 5 Parties through the development of cost-effective formulations in Colombia provided by UNDP, that no further extension of project implementation would be requested, and to request UNDP to submit the final report no later than the 81st meeting;
- (d) To note the update on the progress in implementation of the project on demonstration of the application of an ammonia/carbon dioxide refrigeration system in replacement of HCFC-22 for the medium-sized producer and retail store at Premezclas Industriales S.A provided in Costa Rica provided by UNDP, that no further extension of project implementation would be requested, and to request UNDP to submit the final report no later than the 81st meeting;
- (e) To note the update on the progress in implementation of the demonstration of low-cost options for the conversion to non-ODS technologies in polyurethane foams at very small users in Egypt provided by UNDP, to agree to extend the completion of the project to 31 December 2018, that no further extension of project implementation would be requested, and to request UNDP to submit the final report no later than the 83rd meeting;
- (f) To cancel the project demonstration of the use of low-cost pentane foaming technology for the conversion to non-ODS technologies in polyurethane foams at small and medium-sized enterprises in Morocco, and that remaining funds be returned to the 80th meeting;
- (g) To cancel the demonstration project on promoting HFO-based low-global warming potential (GWP) refrigerants for the air-conditioning sector in high ambient temperatures in Saudi Arabia, and that remaining funds be returned to the 80th meeting;

- (h) To cancel the demonstration project at air-conditioning manufacturers to develop window and packaged air-conditioners using lower GWP refrigerants in Saudi Arabia, and that remaining funds be returned to the 80th meeting;
- (i) To note that no update on the progress in implementation of the demonstration project for the phase-out of HCFCs by using HFO as foam blowing agent in the spray foam applications in high ambient temperatures in Saudi Arabia was provided by UNIDO and that no extension of project implementation was requested, and to request UNIDO to submit the final report no later than the 81st meeting;
- (j) To cancel the demonstration project on the technical and economic advantages of the vacuum assisted injection in a discontinuous-panel plant retrofitted from HCFC-141b to pentane in South Africa, and that remaining funds be returned to the 80th meeting;
- (k) To cancel the demonstration project at foam system houses in Thailand to formulate pre-blended polyols for spray polyurethane foam applications using a low-GWP blowing agent, and that remaining funds be returned to the 80th meeting;
- (l) To note that no update on the progress in implementation of the project in West Asia promoting refrigerant alternatives for high-ambient-temperature countries (PRAHA-II) was provided by UNEP and UNIDO and that no extension of project implementation was requested, and to request UNEP and UNIDO to submit the final report no later than the 81st meeting;
- (m) To note the update on the progress in implementation of the feasibility study for district cooling in Punta Cana in the Dominican Republic provided by UNDP and to request UNDP to submit the final report no later than the 81st meeting;
- (n) To note the update on the progress in implementation of the feasibility study for district cooling in New Cairo in Egypt provided by UNEP and UNIDO and to request the implementing agencies to submit the final report no later than the 82nd meeting;
- (o) To note the update on the progress in implementation of the feasibility study comparing three not-in-kind technologies for use in central air-conditioning in Kuwait provided by UNEP and UNIDO and to request the implementing agencies to submit the final report no later than the 82nd meeting; and
- (p) To request UNDP to continue exploring other low-GWP alternatives for the fisheries sector in the Maldives and report to the 81st meeting on the progress of the demonstration project, and where no low-GWP alternatives are available for the sector, consider the cancellation of the demonstration project.

Part IV: Financial audit reports for the CFC production, halon, polyurethane (PU) foam, process agent II, refrigeration servicing and solvent sectors in China

Issues to be addressed: None

The Executive Committee may wish:

- (a) To note, with appreciation, the financial audit reports for the CFC production, halon, polyurethane (PU) foam, process agent II, refrigeration servicing and solvent sectors in China, contained in document UNEP/OzL.Pro/ExCom/80/12;

- (b) To note with appreciation that, with the funding balances available in the CFC production, halon, polyurethane (PU) foam, process agent II, refrigeration servicing and solvent sectors, the Government of China has implemented a large number of research, technical assistance and awareness activities that have facilitated the introduction of low-GWP alternative technologies in the various sectors, as well as the phase-out of HCFCs and the phase-down of HFCs; and
- (c) To further note with appreciation that the Government of China has confirmed that the funding balances associated with each of the sector plans will be fully disbursed by the end of 2018; that relevant research and technical assistance reports will be submitted to the last meeting of 2018, and that the project completion reports will be submitted to the first meeting of the Executive Committee in 2019.

Part V: ODS waste disposal projects

Issues to be addressed: None

The Executive Committee may wish:

- (a) To note, with appreciation, the final reports on the pilot ODS waste management and disposal projects for Mexico, submitted by UNIDO and France, and for the Europe and Central Asia region, submitted by UNEP and UNIDO;
- (b) To invite bilateral and implementing agencies to take into account, when appropriate, the lessons learned from the pilot ODS disposal demonstration projects mentioned in sub-paragraph (a) above, in the design and implementation of similar projects in future;
- (c) To note the detailed progress reports on the pilot ODS waste management and disposal projects for China, submitted by Japan and UNIDO, and for Nigeria, submitted by UNIDO; and
- (d) To reiterate decision 79/18(d), requesting bilateral and implementing agencies to submit final reports of outstanding ODS disposal pilot projects to the 81st meeting (i.e., China, Cuba, Lebanon, Nigeria and Turkey), and to return to the 82nd meeting unspent balances for projects where final reports have not been submitted.

Part VI: Ongoing chiller projects

Issues to be addressed:

- Extension of the strategic demonstration project for accelerated conversion of CFC chillers in five African countries to April 2018

The Executive Committee may wish:

- (a) To reiterate decision 79/19(b)(ii);
- (b) To take note of the progress report on the ongoing chiller projects submitted by UNDP, the World Bank, and the Governments of France and Japan;
- (c) With respect to the strategic demonstration project for accelerated conversion of CFC chillers in five African countries (AFR/REF/48/DEM/35):

- (i) To approve the extension of the completion date, on an exceptional basis, to April 2018; and
- (ii) To request the Government of Japan to submit the project completion report no later than October 2018 and the final report to the 82nd meeting, and to return fund balances no later than April 2019.

Part VII: Sector plan for the phase-out of methyl bromide production in China

Issues to be addressed: None

The Executive Committee may wish:

- (a) To note the report on the status of implementation of the sector plan for the phase-out of methyl bromide (MB) production in China, submitted by UNIDO;
- (b) To recall that all remaining project activities will be completed no later than 31 December 2018; and
- (c) To request the Government of China and UNIDO to continue submitting annual reports on the status of implementation of the sector plan for the phase-out of MB production and the project completion report to the Executive Committee no later than the first meeting in 2019.

(b) 2017 consolidated project completion report

Document UNEP/OzL.Pro/ExCom/80/13 presents an overview of the key lessons learnt in both the multi-year agreements (MYA) projects completion reports (PCRs) and the individual PCRs received and summarizes the lessons learned.

Issue to be addressed:

- PCRs that are due for submission but not submitted to the 80th meeting
- Coordination between lead and cooperating agencies to allow submission of the completed PCRs according to the schedule

The Executive Committee may wish:

- (a) To note the 2017 consolidated project completion report (PCR) contained in document UNEP/OzL.Pro/ExCom/80/13;
- (b) To urge bilateral and implementing agencies to submit to the 81st meeting PCRs for multi-year agreements (MYAs) and individual projects that were due, and if they were not going to submit, to provide the reasons for not doing so and the schedule for submission;
- (c) To urge lead and cooperating agencies to closely coordinate their work in finalizing their portion of PCRs to allow the lead implementing agency to submit the completed PCRs according to the schedule;
- (d) To urge bilateral and implementing agencies to enter clear, well written and thorough lessons when submitting their PCRs; and

- (e) To invite all those involved in the preparation and implementation of MYAs and individual projects to take into consideration the lessons learned from PCRs, if relevant, when preparing and implementing future projects.

8. Business planning

(a) Update on the status of implementation of the 2017-2019 consolidated business plan of the Multilateral Fund

Document UNEP/OzL.Pro/ExCom/80/14 presents a summary of the 2017-2019 business plan, the status of implementation of the 2017 business plan in the light of approvals at the 79th meeting and submissions to the 80th meeting, and the resulting impact on resource allocation for business planning and the 2015-2017 triennium budget.

Issue to be addressed: None

The Executive Committee may wish: to note the update on the implementation of the 2017-2019 business plans contained in document UNEP/OzL.Pro/ExCom/80/14.

(b) Tranche submission delays

Document UNEP/OzL.Pro/ExCom/80/15 presents actions taken by the Secretariat in response to decisions on tranche submission delays adopted at the 79th meeting; and an analysis of each of the tranches that were not submitted to the 80th meeting.

Issue to be addressed:

- Forty-one activities with tranches of HPMPs for 24 countries due for submission to the 80th meeting were not submitted
- Reasons for delays included: Government decisions and/or endorsements and/or changes in the NOU and/or structural change (10); lack of mandatory verification report (8); sufficient funds from previous tranches still available (5); disbursement below the 20 per cent threshold of approved funds for the previous tranche (14); delays in implementation of investment components (6); security issues (3); delays in previous tranche (1); signing of agreements (12); lead agency not ready for submission (7); internal difficulties (2); customs procedures (2); or no submission of progress and/or financial reports (1)

The Executive Committee may wish:

- (a) To note:
- (i) The report on tranche submission delays contained in document UNEP/OzL.Pro/ExCom/80/15;
 - (ii) The information on tranche submission delays under HCFC phase-out management plans (HPMPs) submitted by the Governments of France and Japan, and UNDP, UNEP, UNIDO and the World Bank;
 - (iii) That 28 out of 69 activities related to tranches of HPMPs due for submission to the 80th meeting had been submitted on time;

- (iv) That relevant implementing agencies had indicated that the late submission of the tranches of HPMPs due for submission at the third meeting of 2017 would have no impact, or were unlikely to have an impact on compliance with the Montreal Protocol, and that there had been no indication that any of the countries concerned were in non-compliance with the Montreal Protocol control measures; and
- (b) To request the Secretariat to send letters to relevant governments on the decisions on tranche submission delays contained in Annex I to document UNEP/OzL.Pro/ExCom/80/15.
- (c) **Consolidated 2018-2020 business plan of the Multilateral Fund**

Document UNEP/OzL.Pro/ExCom/80/16 presents the consolidated business plans of the Multilateral Fund for 2018-2020. It contains an analysis of the business plans submitted by the bilateral and implementing agencies to the 80th meeting, and addresses resource allocation for 2018-2020 based on activities required for compliance, HFC phase-down activities, and standard costs, and proposes adjustments based on existing Executive Committee decisions. It also addresses adjustments based on Executive Committee decisions, and policy issues in the agencies' business plans including activities in the 2017 business plan not submitted for approval at the 80th meeting, over-budgeting, and the capacity of the Multilateral Fund to address HFC phase-down.

Issue to be addressed:

- Activities in the business plan exceed the overall indicative budget by US \$115.33 million for 2018-2020 triennium if the indicative triennial budget is assumed to be US \$169.167 million annually, i.e, at the same level as the 2015-2017 triennium
- Whether to further adjust the 2018-2020 business plan based on the levels of funds approved in principle for the HPMPs approved at the 80th meeting
- Whether to further prorate new HCFC and HFC activities to reflect the level of replenishment of the Multilateral Fund for the 2018-2020 triennium
- Inclusion of stage II of HPMP activities for Mauritania and the Syrian Arab Republic
- Whether to consider requesting the Secretariat to prepare a document on the implications of the Kigali Amendment for the phase-down of HFCs on the Multilateral Fund institutions

The Executive Committee may wish:

- (a) To note the consolidated business plan of the Multilateral Fund for 2018-2020 contained in document UNEP/OzL.Pro/ExCom/80/16;
- (b) To decide whether:
 - (i) To adjust the business plan as proposed by the Secretariat in document UNEP/OzL.Pro/ExCom/80/16;
 - (ii) To further adjust the business plan as proposed during the discussion by the Executive Committee and/or the presentation of the business plans by bilateral and implementing agencies by:
 - a. Adding to the 2018 business plan those HCFC phase-out management plans (HPMPs), and institutional strengthening activities from the 2017 business plan that were deferred at the 80th meeting;

- b. Taking into account the values approved in principle for new HPMPs at the 80th meeting;
- c. Prorating new HCFC and HFC activities so that the total budget for the 2018-2020 business plan reflected the decision of the Twenty-ninth Meeting of the Parties on the level of replenishment of the Multilateral Fund for the 2018-2020 triennium;
- (c) To request bilateral and implementing agencies to include stage II of HPMP activities not included in the business plans for Mauritania and Syrian Arab Republic;
- (d) To endorse the consolidated business plan of the Multilateral Fund for 2018-2020, as adjusted by the Secretariat [and the Executive Committee], while noting that endorsement denoted neither approval of the projects identified therein nor their funding or tonnage levels; and
- (e) To consider requesting the Secretariat to prepare a document on the implications of the Kigali Amendment for the phase-down of HFCs on the Multilateral Fund institutions.
- (d) 2018-2020 business plans of the bilateral and implementing agencies**

(i) Bilateral agencies

Document UNEP/OzL.Pro/ExCom/80/17 presents the business plans for the years 2018-2020 submitted to the 80th meeting by the Governments of Germany, Italy and Japan. The document also includes a table with the allocation of resources for France and Spain based on activities associated with HPMPs approved in principle and HPMPs submitted to the 80th meeting.

Issue to be addressed:

- Whether to reconsider Germany's 2018-2020 business plan in the light of the bilateral activity allocation for the 2018-2020 triennium

The Executive Committee may wish:

- (a) To note the bilateral agencies' business plans for 2018-2020 submitted by Germany, Italy and Japan contained in document UNEP/OzL.Pro/ExCom/80/17; and
- (b) That Germany's 2018-2020 business plan should be reconsidered in the light of the bilateral activity allocation for the 2018-2020 triennium.

(ii) UNDP

Document UNEP/OzL.Pro/ExCom/80/18 presents the UNDP business plan for 2018-2020 and includes the planned activities for the phase-out of ODS during the 2018-2020 period, and the business plan performance indicators.

Issue to be addressed: None

The Executive Committee may wish:

- (a) To note the UNDP business plan for 2018-2020 contained in document UNEP/OzL.Pro/ExCom/80/18; and

- (b) To approve the performance indicators for UNDP as set out in Table 5 of document UNEP/OzL.Pro/ExCom/80/18.

(iii) UNEP

Document UNEP/OzL.Pro/ExCom/80/19 presents the UNEP business plan for 2018-2020 and includes the planned activities for the phase-out of ODS during the 2018-2020 period, and the business plan performance indicators.

Issue to be addressed: None

The Executive Committee may wish:

- (a) To note the UNEP business plan for 2018-2020 contained in document UNEP/OzL.Pro/ExCom/80/19; and
- (b) To approve the performance indicators for UNEP as set out in Tables 4 and 5 of document UNEP/OzL.Pro/ExCom/80/19.

(iv) UNIDO

Document UNEP/OzL.Pro/ExCom/80/20 presents the UNIDO business plan for 2018-2020 and includes the planned activities for the phase-out of ODS during the 2018-2020 period, and the business plan performance indicators.

Issue to be addressed: None

The Executive Committee may wish:

- (a) To note the UNIDO business plan for 2018-2020 contained in document UNEP/OzL.Pro/ExCom/80/20; and
- (b) To approve the performance indicators for UNIDO as set out in Table 5 of document UNEP/OzL.Pro/ExCom/80/20.

(v) World Bank

Document UNEP/OzL.Pro/ExCom/80/21 presents the World Bank business plan for 2018-2020 and includes the planned activities for the phase-out of ozone-depleting substances (ODS) during the 2018-2020 period, and the business plan performance indicators.

Issue to be addressed: None

The Executive Committee may wish:

- (a) To note the World Bank business plan for 2018-2020 contained in document UNEP/OzL.Pro/ExCom/80/21; and
- (b) To approve the performance indicators for the World Bank as set out in Table 5 in document UNEP/OzL.Pro/ExCom/80/21.

9. Project proposals

(a) Overview of issues identified during project review

Document UNEP/OzL.Pro/ExCom/80/22 contains five sections: An analysis of the number of projects and activities submitted to the 80th meeting; issues identified during the project review process; HFC-related projects for funding under additional contributions to the Multilateral Fund; projects and activities submitted for blanket approval; and investment projects for individual consideration. It also informs the Committee on the review of institutional strengthening (IS) renewal requests, and the projects and activities submitted to the 80th meeting but subsequently withdrawn. In accordance with decision 79/4(c), the document also contains a summary of prices of the controlled substances and alternatives to be phased in.

Issues to be addressed:

- Deadline for submission for projects over US \$5 million
- HFC-related projects

Deadline for submission of projects over US \$5 million

The Executive Committee may wish to consider requesting bilateral and implementing agencies to submit projects with a cost exceeding US \$5 million, excluding agency support costs and irrespective of the level of funding requested of the Multilateral Fund, no later than 12 weeks in advance of the Executive Committee meeting at which they were to be considered, in line with decision 20/7(a).

HFC-related projects submitted to the 80th meeting for funding under additional contributions to the Multilateral Fund

Funding requests for enabling activities

Funding requests for preparation of HFC-related investment projects and fully-developed stand-alone HFC investment projects

Issue to be addressed:

- Funding requests for enabling activities (decision 79/46) greater than additional contributions received as at 17 October 2017
- Selection of projects including how to address multiple requests from one country for preparation of HFC-related investment projects and fully-developed stand-alone HFC investment projects (decisions 78/3(g) and 79/45)
- Funding source for HFC activities other than enabling activities, which were prioritized in decision 79/45(d)

In light of the additional contributions provided by a group of non-Article 5 Parties as contained in document UNEP/OzL.Pro/ExCom/80/53, the Executive Committee may wish:

- (a) To approve the enabling activities submitted by 59 Article 5 countries at the funding levels requested as contained in the respective documents on bilateral cooperation and UNDP, UNEP, UNIDO and World Bank work programme amendments;

- (b) To consider approving the stand-alone HFC investment projects submitted by the Governments of Argentina, Bangladesh, Colombia and Mexico in line with decisions 78/3(g) and 79/45, after discussion in agenda item 9(f), Investment projects;
- (c) With regard to requests for preparation of HFC-related investment projects, in light of the assessment contained in document UNEP/OzL.Pro/ExCom/80/22 and the information provided in the relevant documents of the Executive Committee:
 - (i) To consider whether or not to allow for the preparation of more than one stand-alone HFC investment project in a single country; and
 - (ii) To decide which HFC investment project should be prepared and allocate funding accordingly;
- (d) To decide on the funding source for the stand-alone HFC investment projects and the requests for project preparation for HFC-related investment projects where funding from the additional voluntary contributions provided by a group of non-Article 5 countries might not be sufficient to cover all the requests in sub-paragraphs (a), (b) and (c) above,
- (e) To request the Treasurer, in consultation with the Secretariat, to transfer funding from the additional voluntary contributions provided by a group of non-Article 5 Parties, to the relevant bilateral and implementing agencies as follows:
 - (i) Enabling activities mentioned in sub-paragraph (a) as soon as the total amount of US \$8,270,000, plus agencies support costs of US \$893,740, is available to cover all such activities;
 - (ii) Stand-alone HFC investment projects that the Executive Committee wishes to approve in sub-paragraph (b), once sufficient funding is available to cover all such projects after funding the enabling activities mentioned in sub-paragraph (e)(i);
 - (iii) Project preparation for HFC-related investment projects that the Executive Committee wishes to approve in sub-paragraph (c), once sufficient funding is available to cover all such requests after funding all the projects and activities mentioned in sub-paragraphs (e)(i) and (e)(ii).

Funding requests for preparation of HFC-23 demonstration projects

Issue to be addressed:

- Funding source for project preparation in view of decision 79/47(g) which requests that demonstration projects should be submitted to the 81st meeting

The Executive Committee may wish:

- (a) To decide on the funding source for the requests for preparation of HFC-23 demonstration projects submitted by UNDP and the World Bank, noting that pursuant to decision 79/47(g) funding requests for demonstration projects for HFC-23 emissions controls were to be submitted to the 81st meeting; and
- (b) To approve the project preparation requests indicated in sub-paragraph (a) above in light of the assessment contained in document UNEP/OzL.Pro/ExCom/80/22 and the detailed information provided in the relevant documents of the Executive Committee.

Project and activities submitted for blanket approval

The Executive Committee may wish:

- (a) To approve the projects and activities submitted for blanket approval at the levels of funding indicated in Annex [] to the final report, together with the conditions or provisions included in the corresponding project evaluation documents and the conditions attached to the projects by the Executive Committee; and
- (b) To decide that, for projects related to renewal of institutional strengthening, blanket approval included approval of the observations to be communicated to recipient governments as contained in Annex [] to the final report.

(b) Bilateral cooperation

Document UNEP/OzL.Pro/ExCom/80/23 provides an overview of the requests from two bilateral agencies for HCFC-related projects for five countries and their eligibility for approval in light of the maximum level of bilateral cooperation available for the 2015-2017 triennium. It cross-references relevant meeting documents that include a discussion on the bilateral requests, and contains the recommendation on the year or years of assignment for bilateral cooperation. The document also includes requests for funding of HFC-related projects from the additional contributions by a group of non-Article 5 countries for fast-start support for the implementation of the HFC phase-down including requests for enabling activities in seven Article 5 countries, and for preparation of an HFC investment project in one Article 5 country.

Issue to be addressed: None

The Executive Committee may wish:

- (a) With regard to HCFC-related projects, to request the Treasurer to offset the costs of the bilateral projects approved at the 80th meeting as follows:
 - (i) US \$XX (including agency fees) against the balance of France's bilateral contribution for 2017;
 - (ii) US \$XX (including agency fees) against the balance of Germany's bilateral contribution for 2015-2017;
- (b) With regard to enabling activities for HFC phase-down:
 - (i) To note that the funding requests for enabling activities submitted to the 80th meeting to be implemented by the Governments of Germany and Italy, if approved by the Executive Committee, would be considered as part of their additional contributions to the Multilateral Fund;
 - (ii) To consider the requests for enabling activities for HFC phase down for the seven Article 5 countries listed in Table 2 of document UNEP/OzL.Pro/ExCom/80/23, in the context of its discussion of the proposals for HFC-related projects described in the document on Overview of issues identified during project review (UNEP/OzL.Pro/ExCom/80/22);

- (c) With regard to requests for preparation of HFC-related investment projects:
- (i) To note that the funding request for project preparation submitted to the 80th meeting to be implemented by the Government of Germany, if approved by the Executive Committee, would be considered as part of its additional contributions to the Multilateral Fund; and
 - (ii) To consider the request for project preparation for the conversion of a mobile air conditioning production line in China, listed in Table 2 of document UNEP/OzL.Pro/ExCom/80/23, in the context of its discussion of the proposals for HFC related projects described in the document on Overview of issues identified during project review (UNEP/OzL.Pro/ExCom/80/22).

(c) Amendments to work programmes for 2017

(i) UNDP

Document UNEP/OzL.Pro/ExCom/80/24 contains 22 activities submitted by UNDP including five requests for IS renewal projects for blanket approval; and 10 requests for technical assistance for enabling activities, six requests for project preparation for HFC-related projects (decision 78/3(g) and 79/45) and one request for project preparation for demonstration projects for HFC-23 by product mitigation or conversion (decision 79/47) for individual consideration under agenda item 9(a).

Technical assistance for enabling activities (decision 79/46)

Issue to be addressed:

- Consideration of HFC-related projects in light of guidance provided under agenda item 9(a)

The Executive Committee may wish to consider the requests for enabling activities for HFC phase-down for the ten Article 5 countries listed in Table 1 of document UNEP/OzL.Pro/ExCom/80/24, in the context of its discussion of the proposals for HFC-related projects described in the document on Overview of issues identified during project review (UNEP/OzL.Pro/ExCom/80/22).

Project preparation for HFC-related projects (decisions 78/3(g) and 79/45)

Issue to be addressed:

- Consideration of HFC-related projects in light of guidance provided under agenda item 9(a)

The Executive Committee may wish: to consider the requests for project preparation for conversion from HFC to HFO-based or other low-GWP alternatives in the manufacturing sector in China, Dominican Republic, Egypt and Zimbabwe, listed in Table 1 above, in the context of its discussion of the proposals for HFC-related projects described in the document on Overview of issues identified during project review (UNEP/OzL.Pro/ExCom/80/22).

Project preparation for demonstration projects for HFC-23 by-product mitigation or conversion (decision 79/47)

Issue to be addressed:

- Clarification on the source of funding for the demonstration project

The Executive Committee may wish: to consider the request for funding the preparation of a technology demonstration project for HFC-23 by-product conversion to valuable organic halides by reaction with hydrogen and carbon dioxide for Liaocheng Fuer New Material Technology Ltd., in China in light of the Secretariat's comments.

(ii) UNEP

Documents UNEP/OzL.Pro/ExCom/80/25 and Add.1 contain 59 activities submitted by UNEP including 22 requests for IS renewal projects and six requests for technical assistance for preparation for verification reports for blanket approval; and 31 requests for technical assistance for enabling activities for individual consideration under agenda item 9(a).

Technical assistance for enabling activities (decision 79/46)

Issue to be addressed:

- Consideration of HFC-related projects in light of guidance provided under agenda item 9(a)

The Executive Committee may wish: to consider the request for enabling activities for HFC phase-down for the 31 Article 5 countries listed in Table 1 of document UNEP/OzL.Pro/ExCom/80/25 in the context of its discussion of the proposals for HFC-related projects described in the document on Overview of issues identified during project review (UNEP/OzL.Pro/ExCom/80/22).

(iii) UNIDO

Document UNEP/OzL.Pro/ExCom/80/26 contains 30 activities submitted by UNIDO including three requests for IS renewal projects and two requests for technical assistance for preparation for verification reports for blanket approval; and 18 requests for technical assistance for enabling activities and seven requests for project preparation for HFC-related projects for individual consideration under agenda item 9(a).

Technical assistance for enabling activities (decision 79/46)

Issue to be addressed:

- Consideration of HFC-related projects in light of guidance provided under agenda item 9(a)

The Executive Committee may wish: to consider the requests for enabling activities for HFC phase-down for the 18 Article 5 countries listed in Table 1 of document UNEP/OzL.Pro/ExCom/80/26, in the context of its discussion of the proposals for HFC-related projects described in the document on Overview of issues identified during project review (UNEP/OzL.Pro/ExCom/80/22).

Project preparation for HFC-related projects (decisions 78/3(g) and 79/45)

Issue to be addressed:

- Consideration of HFC-related projects in light of guidance provided under agenda item 9(a)

The Executive Committee may wish: to consider the requests for project preparation for conversion from HFC to low-GWP alternatives in the refrigeration manufacturing sector in Ecuador, Lebanon, Mexico, Morocco and Viet Nam, listed in Table 1 of document UNEP/OzL.Pro/ExCom/80/26, in the context of its discussion of the proposals for HFC-related projects described in the document on Overview of issues identified during project review (UNEP/OzL.Pro/ExCom/80/22).

(iv) World Bank

Document UNEP/OzL.Pro/ExCom/80/27 contains five activities submitted by the World Bank including three requests for technical assistance for enabling activities (decision 79/46), one request for project preparation for HFC-related projects (decisions 78/3(g) and 79/45) and one request for project preparation for demonstration projects for HFC-23 by product mitigation or conversion (decision 79/47) for individual consideration under agenda item 9(a).

Technical assistance for enabling activities for HFC phase-down (decision 79/46)

Issue to be addressed:

- Consideration of HFC-related projects in light of guidance provided under agenda item 9(a)

The Executive Committee may wish: to consider the requests for enabling activities for HFC phase-down for the three Article countries listed in Table 1 of document UNEP/OzL.Pro/ExCom/80/27, in the context of its discussion of the proposals for HFC-related projects described in the document on Overview of issues identified during project review (UNEP/OzL.Pro/ExCom/80/22).

Project preparation for HFC-related projects (decisions 78/3 (g) and 79/45)

Issue to be addressed:

- Consideration of HFC-related projects in light of guidance provided under agenda item 9(a)

The Executive Committee may wish: to consider the requests for project preparation for conversion from HFC to HFO-based or other low-GWP alternatives in the production of commercial refrigeration equipment at Pattana Intercool and System Forms Co. Ltd. listed in Table 1 of document UNEP/OzL.Pro/ExCom/80/27, in the context of its discussion of the proposals for HFC-related projects described in the document on Overview of issues identified during project review (UNEP/OzL.Pro/ExCom/80/22).

Project preparation for demonstration projects for HFC-23 by-product mitigation or conversion (decision 79/47)

Issue to be addressed:

- Clarification on the source of funding for the demonstration project

The Executive Committee may wish: to consider the request for funding the preparation of a technology demonstration project for HFC-23 by-product conversion at Shandong Dongyue Chemical Co. Ltd., in China in light of the Secretariat's comments.

(d) Review of the overall structure of the Compliance Assistance Programme (decision 77/38(c)) and UNEP's Compliance Assistance Programme budget for 2018

Document UNEP/OzL.Pro/ExCom/80/28 contains UNEP's Compliance Assistance Programme (CAP) for 2018, and consists of the 2017 CAP progress report, the revised 2018-2020 three year rolling CAP strategy, review of the CAP structure in accordance with decision 77/38(c), the 2018 CAP work plan, an explanation of the changes in the 2018 CAP budget, and the comments and recommendations of the Secretariat.

Issue to be addressed:

- Revision of the three year 2016-2018 CAP strategy
- Review of the overall structure of the CAP and its operations, and regional structure in addressing emerging needs, and new challenges in Article 5 countries

The Executive Committee may wish:

- (a) To approve the UNEP's Compliance Assistance Programme (CAP) activities and budget for 2018 in the amount of US \$9,863,000, plus agency support costs of 8 per cent, amounting to US \$789,040, contained in Annex I of document UNEP/OzL.Pro/ExCom/80/28;
- (b) To request UNEP to provide a final report to the 82nd meeting on:
 - (i) The review of the overall structure of the CAP and its operations and regional structure in addressing emerging needs and new challenges in Article 5 countries;
 - (ii) The four global activities (national ozone officer training programme, refrigerant drivers license, global training programme for the refrigeration servicing sector, and ODS management in the fisheries sector) which were identified in the 2016-2018 three year rolling strategy, providing details on the overall cost, achievements and outputs and how these have contributed to the compliance for Article 5 countries within the CAP mandate in line with decision 75/38(c)(i);
- (c) To further request UNEP, in future submissions of the CAP budget, to continue:
 - (i) Providing detailed information on the activities for which the global funds would be used;
 - (ii) Extending the prioritization of funding between CAP budget lines so as to accommodate changing priorities, and to provide details, pursuant to decisions 47/24 and 50/26, on the reallocations made;

- (iii) Reporting on the current post levels of staff and informing the Executive Committee of any changes thereto, particularly with respect to any increased budget allocations; and
- (iv) Providing a budget for the current year (i.e. 2019), and a report of the estimated costs incurred in the previous year (i.e., 2018) noting subparagraph (c)(ii) and (iii) above.

(e) 2018 core unit costs for UNDP, UNIDO and the World Bank

Documents UNEP/OzL.Pro/ExCom/80/29 and Corr.1 contain information on the actual administrative costs for 2011-2016 and estimated costs for 2017 and their associated approved budgets. It also contains requests for proposed 2018 core unit costs and an assessment of the extent to which resources available for total administrative costs in 2017 could cover expected 2018 costs, and the recommendations of the Secretariat.

Issue to be addressed:

- Requests for approval of 2018 core unit costs for UNDP and UNIDO with a 0.7 per cent increase over the approved 2017 budget, and those for the World Bank with a 0.58 increase over the approved 2017 budget, in line with decision 73/62(b)

The Executive Committee may wish:

- (a) To note:
 - (i) The report on the 2018 core unit costs for UNDP, UNIDO and the World Bank as presented in documents UNEP/OzL.Pro/ExCom/80/29 **and Corr.1**;
 - (ii) The use of the revised format for reporting administrative costs by UNDP, **UNIDO**, and the World Bank pursuant to decision 79/41(e);
 - (iii) With appreciation, that the World Bank's core unit operation was again below its budgeted level and that it would be returning unused balances of US \$62,476 to the Multilateral Fund at the 80th meeting;
- (b) To consider whether to approve the requested core unit budgets for:
 - (i) UNDP for US \$2,069,385;
 - (ii) UNIDO for US \$2,069,385; and
 - (iii) The World Bank for US \$1,735,000.

(f) Investment projects

Document UNEP/OzL.Pro/ExCom/80/22 contains the list of projects for individual consideration (see table below) considered under agenda item 9(f).

Issue to be addressed: Each project should be considered for approval individually. The project description, and the comments and recommendations of the Secretariat can be found in the relevant country project document referred to in the table below.

Country	Project	Agency	ExCom	Issue
Stage I of HPMPs				
Mauritania	HCFC phase-out management plan (stage I - first tranche)	UNEP (Lead)/ UNDP	80/44	Lack of reliable HCFC imports records, establishment of starting point
Stage II of HPMPs				
Kenya	HCFC phase-out management plan (stage II - first tranche)	France	80/41	All technical and cost issues resolved; stage II of an HPMP
Peru	HCFC phase-out management plan (stage II - first tranche)	UNDP (Lead)/ UNEP	80/47	All technical and cost issues resolved; stage II of an HPMP
Philippines (the)	HCFC phase-out management plan (stage II - first tranche)	World Bank	80/48	All technical and cost issues resolved; stage II of an HPMP
Timor-Leste	HCFC phase-out management plan (stage II - first tranche)	UNEP (Lead)/ UNDP	80/51*	All technical and cost issues resolved; stage II of an HPMP
Tranche request of stage I, stage II HPMP				
Bangladesh	HCFC phase-out management plan (stage I – third and fourth (final) tranche)	UNDP (Lead)/ UNEP	80/32	Request for combined third and fourth tranches and revision of Agreement
Brazil	HCFC phase-out management plan (stage II - second tranche)	UNDP (Lead)/ UNIDO/Germany/ Italy	80/34	Two-year extension of stage II and revision of tranches distribution and Agreement
Burkina Faso	HCFC phase-out management plan (stage I - third tranche)	UNEP (Lead)/ UNIDO	80/35	Revision of starting point and Agreement
China	Extruded polystyrene (XPS) foam sector plan (stage II - second tranche)	UNIDO (Lead)/ Germany	80/37	Level of fund disbursement
	Industrial and commercial refrigeration and air-conditioning (ICR) sector plan (stage II - second tranche)	UNDP	80/37	Issue of technology selection: the technology to be used in the second tranche is not in the list of approved technologies
	Room air-conditioner manufacturing (RAC) sector plan (stage II - second tranche)	UNIDO (Lead)/ Government of Italy	80/37	Level of fund disbursement
Democratic Republic of the Congo (the)	HCFC phase-out management plan (stage I - third tranche)	UNEP (Lead)/ UNDP	80/40	Revision of starting point and Agreement
Kenya	HCFC phase-out management plan (stage I – fifth tranche)	France	80/41	Revision of starting point and Agreement
Lesotho	HCFC phase-out management plan (stage I – third tranche)	Germany	80/42	Revision of starting point and Agreement
Maldives	HCFC phase-out management plan (stage I – fourth (last) tranche)	UNEP (Lead)/ UNDP	80/43	Progress of the transition from the interim technology selected by the Government to low-GWP refrigerants
Myanmar	HCFC phase-out management plan (stage I – second and third tranches)	UNEP (Lead)/ UNIDO	80/46	Request for combined second and third tranches and revision of Agreement
Thailand	HCFC phase-out management plan (stage I – fourth and final tranche)	World Bank	80/50	Revision of funds and Agreement
Individual investment projects to reduce HFCs				
Argentina	Demonstration of replacement of HFC-134a with isobutane (R-600a)/propane (R-290) based refrigerant in the	UNIDO	80/30	HFC phase-down project pursuant decisions 78/3(g) and 79/45

Country	Project	Agency	ExCom	Issue
	manufacture of domestic and commercial refrigeration equipment			
Bangladesh	Conversion from HFC-134a to isobutane as a refrigerant and conversion of compressor manufacturing facility from HFC-134a-based compressors to isobutene-based compressors at Walton Hitech Industries Limited	UNDP	80/32	HFC phase-down project pursuant decisions 78/3(g) and 79/45
Colombia	Conversion from HFC-134a to isobutane in the manufacture of domestic refrigerators at Mabe Colombia	UNDP	80/38	HFC phase-down project pursuant decisions 78/3(g) and 79/45
Mexico	Conversion of domestic refrigeration manufacturing facility from HFC-134a to isobutane (R-600a) as a refrigerant and conversion of compressor manufacturing facility from HFC-134a-based compressors to isobutene-based compressors at Mabe Mexico S.A. de C.V.	UNDP	80/45	HFC phase-down project pursuant decisions 78/3(g) and 79/45

*Document also includes a tranche request for stage I of the HPMP, which is for blanket approval.

10. Matters related to the Kigali Amendment to the Montreal Protocol

(a) Status of additional contributions to the Multilateral Fund (decision 79/42(c))

Document [UNEP/OzL.Pro/ExCom/80/53](#) provides information on the status of additional contributions pledged by a group of donor countries intended to provide fast-start support for the implementation of the HFC phase-down, pursuant to decision 79/42(c). As at 11 October 2017, the Treasurer has received US \$3,233,878 from seven countries.

Issue to be addressed: None

The Executive Committee may wish:

- (a) To note the report of the Treasurer on the status of additional contributions to the Multilateral Fund as contained in document [UNEP/OzL.Pro/ExCom/80/53](#);
- (b) To note with appreciation the seven non-Article 5 countries that had made payments to provide fast-start support for the implementation of the HFC phase-down; and
- (c) To request the Treasurer to continue reporting the status of the additional contributions received for fast-start support separately from other pledged contributions to the Multilateral Fund to the 81st meeting.

(b) Overall analysis of the results of the surveys of ODS alternatives (decision 79/43(c))

Document [UNEP/OzL.Pro/ExCom/80/54](#) was prepared in accordance with decision 79/43 and provides an overview of the 119 reports on surveys on ODS alternatives that were received by

18 September 2017 (out of 127 approved). It includes a brief description of the methodology followed by the countries; preliminary information on alternatives to ODS, particularly related to HFCs, and the distribution of the consumption by sector and subsector; a forecast of ODS alternatives consumption up to 2030; and a recommendation. Annex I provides tabular information on HFC consumption from 119 Article 5 countries, and Annex II provides a list of Article 5 countries with approved funding to conduct surveys on ODS alternatives.

Issue to be addressed:

- Return of unspent balances of surveys not submitted to the 81st meeting in line with decision 78/2(c)

The Executive Committee may wish:

- (a) To note the Overall analysis of the results of the surveys of ODS alternatives (decision 79/43(c)) contained in document UNEP/OzL.Pro/ExCom/80/54;
 - (b) To request bilateral and implementing agencies to use the survey findings and lessons highlighted in the analysis of the results of ODS alternatives surveys, while undertaking enabling activities with particular attention to strengthening data collection and reporting of HFCs and HFC blends; and
 - (c) To request bilateral and implementing agencies to return balances to the 81st meeting of the Executive Committee relating to those countries whose ODS alternatives surveys were not submitted to the 80th meeting (i.e., Algeria, Antigua and Barbuda, Bahamas, Democratic People's Republic of Korea, Fiji, Morocco and Myanmar) in line with decision 79/43.
- (c) Development of the cost guidelines for the phase-down of HFCs in Article 5 countries: Draft criteria for funding (decisions 78/3(i) and 79/44(b))**

Document UNEP/OzL.Pro/ExCom/80/55 is prepared pursuant to decision 79/44 and is based on the information contained in the document on draft criteria for funding submitted to the 79th meeting and discussions at the 77th, 78th and 79th meetings. Section I summarizes relevant decisions by the Executive Committee since the adoption of the Kigali Amendment, including those elements of decision XXVIII/2 on which the Executive Committee reached a common understanding and decided to include in the draft template of the cost guidelines. Section II presented matters for further discussion, namely the elements of decision XXVIII/2 for which a common understanding by the Executive Committee has not yet been reached, and for each matter presents the relevant text of decision XXVIII/2, a brief summary on the status of the discussion, and the issues for discussion at the 80th meeting. The recommendation is divided in two parts: the draft template of the cost guidelines for the phase-down of HFCs; and the additional work to inform further discussions on the cost guidelines. Annexes contain: a draft template of the cost guidelines for the phase-down of HFCs as at the close of the 79th meeting; decisions adopted by the Executive Committee on matters related to the Kigali Amendment; relevant paragraphs of the Report of the 78th meeting on the development of the cost guidelines for the phase-down of HFCs; relevant paragraphs of the 39th meeting of the Open-ended Working Group (OEWG) regarding the discussion on energy efficiency.

Issue to be addressed:

- Consideration of the draft costs guidelines for the phase-down of HFCs in Article 5 countries and any additional work needed to inform further discussions on the cost guidelines

In relation to the HFC phase-down cost guidelines, the Executive Committee may wish:

In relation to sustained aggregate reductions in HFC consumption and production

- (a) To include paragraph 19 of decision XXVIII/2 in the relevant section of the draft template of the cost guidelines for the phase-down of HFCs;
- (b) To use the following methodology [to be proposed by the Executive Committee] for determining the starting point for sustained aggregate reduction in HFC consumption and production, noting that the starting should be expressed in [CO₂ equivalents and/or metric tonnes];

In relation to eligible incremental costs

Production sector

- (c) In accordance with paragraph 15(b) of decision XXVIII/2, to make the following categories of costs eligible and to include them in the cost calculation associated with the phase-down of HFCs in the production sector contained in [Annex ##] to the Report of the 80th meeting of the Executive Committee:
 - (i) Lost profit due to the shutdown/closure of production facilities, as well as production reduction;
 - (ii) Compensation for displaced workers;
 - (iii) Dismantling of production facilities;
 - (iv) Technical assistance activities;
 - (v) Research and development related to the production of low-GWP or zero-GWP alternatives to HFCs with a view to lowering the costs of alternatives;
 - (vi) Costs of patents and designs or incremental costs of royalties;
 - (vii) Costs of converting facilities to produce low-GWP or zero-GWP alternatives to HFCs when technically feasible and cost-effective;
 - (viii) Costs of reducing emissions of HFC-23, a by-product from the production process of HCFC-22, by reducing its emission rate in the process, destroying it from the off-gas, or by collecting and converting it to other environmentally safe chemicals; such costs should be funded by the Multilateral Fund to meet the obligations of Article 5 Parties specified under the Amendment;
 - (ix) Consider whether to continue discussing cost guidelines for the production sector or to request the Sub-group on the Production Sector to do so and to report back to the Executive Committee once the draft guidelines have been finalized;

Refrigeration servicing sector

- (d) In accordance with paragraph 15(c) of decision XXVIII/2, to make the following categories of costs eligible and to include them in the cost calculation associated with the phase-down of HFCs in the refrigeration servicing sector contained in [Annex ##] to the Report of the 80th meeting of the Executive Committee:
- (i) Public-awareness activities;
 - (ii) Policy development and implementation;
 - (iii) Certification programmes and training of technicians on safe handling, good practice and safety in respect of alternatives, including training equipment;
 - (iv) Training of customs officers;
 - (v) Prevention of illegal trade of HFCs;
 - (vi) Servicing tools;
 - (vii) Refrigerant testing equipment for the refrigeration and air-conditioning sector;
 - (viii) Recycling and recovery of HFCs;

In relation to other costs

- (e) To include paragraph 25 of decision XXVIII/2 in the relevant section of the draft template of the cost guidelines for the phase-down of HFCs contained in [Annex ##] to the Report of the 80th meeting of the Executive Committee;

In relation to energy efficiency

- (f) To continue discussing how it wishes to develop cost guidance associated with maintaining and/or enhancing the energy efficiency of low-GWP or zero-GWP replacement technologies and equipment, when phasing down HFCs, after reviewing additional relevant information, including the information provided by the TEAP in its assessment of energy efficiency at the 40th OEWG;

In relation to capacity building to address safety

- (g) To note that capacity-building to address safety is being addressed in the context of the consumption manufacturing and the refrigeration servicing sectors;

In relation to disposal

- (h) To consider whether to further discuss matters related to disposal at a future meeting; and

In relation to the eligibility of Annex F substances subject to high ambient temperature exemptions

- (i) To include paragraph 35 of decision XXVIII/2 in the relevant section of the draft template of the cost guidelines for the phase-down of HFCs contained in [Annex ##] of the Report of the 80th meeting of the Executive Committee.

In relation to additional activities to be completed in order to facilitate further discussion of the cost guidelines for HFC phase-down, the Executive Committee may wish

In relation to the consumption manufacturing sector

- (a) To consider additional work to determine cost-effectiveness thresholds and thresholds for IOCs of HFC-phase-down in the consumption manufacturing sector once progress in the implementation of HFC investment projects pursuant to decision 79/45 has been made;

In relation to the refrigeration servicing sector

- (b) To request the Secretariat to prepare a preliminary document for [the 82nd meeting] taking into account the results of the desk study of the refrigeration servicing sector by the Senior Monitoring and Evaluation Officer (decision 79/6), in cooperation with bilateral and implementing agencies, on all aspects related to the refrigeration servicing sector, taking into account:
- (i) Previous policy documents, case studies, and monitoring and evaluation reviews, the work undertaken by bilateral and implementing agencies in developing and implementing training and technical assistance programmes, in particular the partnership that Compliance Assistance Programme had established with world-recognized training and certification institutes;⁹
 - (ii) Analysis of the existing capacities in Article 5 countries with the funding approved so far for the refrigeration servicing sector and how those could be utilized for HFC phase-down; results of funded recovery, recycling and reclamation activities and their potential to reduce refrigerant emissions; and the extent of the involvement of the private sector (e.g. equipment, components and refrigerant suppliers) in introducing and adopting low-GWP technologies in the servicing sector; and
 - (iii) Key aspects for the development of a set of specific modules for customs officers and refrigeration and air-conditioning service technicians that would be used as the modalities.¹⁰

In relation to energy efficiency

- (c) To request the Secretariat to contract an independent consultant to:
- (i) Prepare, for the [82nd meeting], a document on issues associated with maintaining and/or enhancing the energy efficiency of low-GWP or zero-GWP replacement technologies and equipment when phasing down HFCs, including:
 - a. Incremental costs for maintaining and/or enhancing energy efficiency in the manufacturing and servicing of refrigeration and air-conditioning equipment, including in situ manufacturing;
 - b. Pay-back periods and economic benefits associated with energy-efficiency improvements in the refrigeration and air-conditioning sector;

⁹ Preparation of this document was proposed in document UNEP/OzL.Pro/ExCom/77/70/Rev.1.

¹⁰ Preparation of this document was proposed in document UNEP/OzL.Pro/ExCom/77/70/Rev.1.

- c. Possible modalities for funding, including operational modalities for co-funding with other institutions at the national and global level, in order to maintain and/or enhance energy efficiency and address associated challenges in the refrigeration and air-conditioning sector;
 - d. Requirements for establishing minimum energy-efficiency standards, including the testing and verification of energy efficiency in equipment;
 - e. The institutional and regulatory framework needed in Article 5 countries to support and monitor improvements in energy efficiency, including in the refrigeration and air-conditioning servicing sector;
- (ii) Consider, when preparing the document, appropriate standards and directives, such as the four European Union directives for reducing greenhouse gas emissions in Europe on Energy Efficiency, Ecodesign, Energy Performance of Buildings and Industrial Emissions, to determine the best available technologies; and
- (d) To allocate US \$XXX for the preparation of the study.
- (d) Key aspects related to HFC-23 by-product control technologies: preliminary data of HCFC-22 production swing plants that wish to close (decision 79/47(d))**

Documents UNEP/OzL.Pro/ExCom/80/56 & Add.1 contain a review of the preliminary data submitted by the Government of Argentina in response to (decision 79/47 (d) on HCFC-22 production swing plans. Annexes contain a summary of the information contained in the document on Key aspects related to HFC-23 by-product control technologies submitted to the 79th meeting¹¹ (Annex I), and the preliminary data submitted by the Government of Argentina (Annex II). An addendum provides comments on preliminary data submitted by the Government of India on its HCFC-22 production swing plants.

Issue to be addressed:

- Whether to request a technical audit of the swing plant in Argentina, and allocate the related budget accordingly, or to wait for the evaluation by an independent consultant that will be submitted to the 81st meeting in line with decision 79/47(e)
- Inclusion of project preparation for the closure of the swing plant in Argentina in the Consolidated 2018-2020 business plan of the Multilateral Fund with associated funding, to be implemented by the World Bank
- How to address the preliminary information provided by the Government of India on HCFC-22 production swing plants in the country

The Executive Committee may wish to consider:

- (a) Noting the submission by the Government of Argentina of the preliminary data on the HCFC-22 swing plant Frio Industrias Argentinas, S.A. (FIASA) contained in document UNEP/OzL.Pro/ExCom/80/56;
- (b) Whether to request a technical audit of FIASA and replenishing the sub-account for technical audits in the amount of US \$50,000, and authorize the Fund Secretariat to initiate the related contracting process, accordingly; or to wait for the evaluation by an independent consultant of cost-effective and environmentally sustainable options of HFC-23

¹¹ UNEP/OzL.Pro/ExCom/79/48, Add.1, Corr.1 and Corr.2

destruction from HCFC-22 production facilities that will be submitted to the 81st meeting in line with decision 79/47(e); and

- (c) Including in the Consolidated 2018-2020 business plan of the Multilateral Fund funding for project preparation associated with the closure of FIASA in Argentina, to be implemented by the World Bank.

11. Draft report of the Executive Committee to the Twenty-Ninth Meeting of the Parties to the Montreal Protocol

Document UNEP/OzL.Pro/ExCom/80/57 contains a draft of the report of the Executive Committee to the Twenty-ninth Meeting of the Parties which summarize the most important decisions taken by the Committee at its 77th, 78th and 79th meetings.

Issue to be addressed: Since the reporting period also includes the 80th meeting, the report will need to be updated after the Report of the 80th meeting of the Executive Committee is finalized

The Executive Committee may wish: to authorize the Secretariat to finalize the report of the Executive Committee to the Twenty-ninth Meeting of the Parties to the Montreal Protocol in light of the discussions held and decisions taken at the 80th meeting, and to submit to the Ozone Secretariat following clearance by the Chair.

12. Report of the Sub-group on the Production Sector

Document UNEP/OzL.Pro/ExCom/80/58 will be issued during the 80th meeting and will provide a report of the meeting of the Sub-group on the Production Sector that will take place in the margins of the meeting. The document will contain an account of the Sub-group's consideration of a provisional agenda, the 2016 verification report of the HCFC production sector, the 2016 progress report of stage I of the HCFC production phase-out management plan (HPPMP) for China, and stage II of the HPPMP for China.

13. Other matters

Substantive issues agreed for inclusion in agenda item 2(a) will be taken up under this agenda item.

14. Adoption of the report

The Executive Committee will have in front of it the draft report of the 80th meeting for its consideration and adoption.

15. Closure of the meeting

The meeting is expected to be closed on Friday, 17 November 2017.