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Multilateral Fund for the Implementation of the  
Montreal Protocol

***KIGALI HFC IMPLEMENTATION PLANS***

(As at December 2023)

*The Multilateral Fund Secretariat*

Note: Some of Article 5 countries have changed their name after the Executive Committee decisions were made and agreements concluded. This document lists countries by their name as at December 2023, without changing the name in the original text of decisions and agreements.

**ALBANIA**  
**KIP for Albania**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Albania for the period 2023–2030 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$406,800, consisting of US \$260,000, plus agency support costs of US \$33,800, for UNIDO, and US \$100,000, plus agency support costs of US \$13,000, for UNEP, as reflected in the schedule contained in annex XXXVIII to the present report;
- (b) To note that, upon completion of the end-user technology demonstration project included in stage I of the KIP, UNIDO would submit a final report on the implementation of the project, including the HFC phase-out and energy-efficiency gains achieved, in line with subparagraph (g) of decision 92/36;
- (c) To approve the first tranche of stage I of the KIP for Albania, and the corresponding tranche implementation plan, in the amount of US \$202,711, consisting of US \$129,390, plus agency support costs of US \$16,821, for UNIDO and US \$50,000, plus agency support costs of US \$6,500, for UNEP; and
- (d) To request the Government of Albania, UNIDO, UNEP and the Secretariat to finalize the draft Agreement between the Government of Albania and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/54).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex XXXVIII).*

## Annex XXXVIII

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR ALBANIA**

**Kigali HFC implementation plan (stage I)**

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	2030	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	883,849	883,849	883,849	883,849	883,849	795,464	795,464	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	883,849	883,849	883,849	883,849	883,849	795,464	795,464	n/a
2.1	Lead IA (UNIDO) agreed funding (US \$)	129,390	0	0	94,610	0	0	0	36,000	260,000
2.2	Support costs for Lead IA (US \$)	16,821	0	0	12,299	0	0	0	4,680	33,800
2.3	Cooperating IA (UNEP) agreed funding (US \$)	50,000	0	0	50,000	0	0	0	0	100,000
2.4	Support costs for Cooperating IA (US \$)	6,500	0	0	6,500	0	0	0	0	13,000
3.1	Total agreed funding (US \$)	179,390	0	0	144,610	0	0	0	36,000	360,000
3.2	Total support costs (US \$)	23,321	0	0	18,799	0	0	0	4,680	46,800
3.3	Total agreed costs (US \$)	202,711	0	0	163,409	0	0	0	40,680	406,800

**BOLIVIA (Plurinational State of)**  
**KIP for Bolivia**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for the Plurinational State of Bolivia for the period 2023–2030 to reduce, by 2029, HFC consumption by 15 per cent of the country’s baseline, in the amount of US \$367,250, consisting of US \$257,000, plus agency support costs of US \$33,410, for UNIDO, and US \$68,000, plus agency support costs of US \$8,840, for UNEP, as reflected in the schedule contained in annex XXXIX to the present report;
- (b) To note:
  - (i) That the Government of the Plurinational State of Bolivia would continue to monitor its HFC consumption to understand the extent to which reported consumption in baseline years was representative of the local market’s needs and to assess what future HFC demand would be, and would provide that analysis when submitting the second tranche of its KIP;
  - (ii) That, on the basis of the information provided in subparagraph (b)(i) above, the maximum allowable consumption limits for the remaining years of stage I of the KIP, as contained in Appendix 2-A to the future Agreement between the Government of the Plurinational State of Bolivia and the Executive Committee would be revised, if appropriate, when the Committee considered the second tranche of the KIP;
- (c) To approve the first tranche of stage I of the KIP for the Plurinational State of Bolivia, and the corresponding tranche implementation plan, in the amount of US \$219,220, consisting of US \$153,500, plus agency support costs of US \$19,955, for UNIDO, and US \$40,500, plus agency support costs of US \$5,265, for UNEP; and
- (d) To request the Government of the Plurinational State of Bolivia, UNIDO, UNEP and the Secretariat to finalize the draft Agreement between the Government of the Plurinational State of Bolivia and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/55).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex XXXIX).*

## Annex XXXIX

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRanches UNDER THE  
KIGALI HFC IMPLEMENTATION PLAN FOR THE PLURINATIONAL STATE OF BOLIVIA**

**Kigali HFC implementation plan (stage I)**

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	2030	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	677,884	677,884	677,884	677,884	677,884	610,096	610,096	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	677,884	677,884	677,884	677,884	677,884	576,201	576,201	n/a
2.1	Lead IA (UNIDO) agreed funding (US \$)	153,500	0	0	0	78,500	0	0	25,000	257,000
2.2	Support costs for Lead IA (US \$)	19,955	0	0	0	10,205	0	0	3,250	33,410
2.3	Cooperating IA (UNEP) agreed funding (US \$)	40,500	0	0	0	20,000	0	0	7,500	68,000
2.4	Support costs for Cooperating IA (US \$)	5,265	0	0	0	2,600	0	0	975	8,840
3.1	Total agreed funding (US \$)	194,000	0	0	0	98,500	0	0	32,500	325,000
3.2	Total support costs (US \$)	25,220	0	0	0	12,805	0	0	4,225	42,250
3.3	Total agreed costs (US \$)	219,220	0	0	0	111,305	0	0	36,725	367,250

**CAMBODIA**  
**KIP for Cambodia**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Cambodia for the period 2023–2029 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$491,449, consisting of US \$278,800, plus agency support costs of US \$36,244, for UNEP and US \$161,885, plus agency support costs of US \$14,570, for UNDP, as reflected in the schedule contained in annex XL to the present report;
- (b) To note:
  - (i) That the Government of Cambodia would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (ii) That, once the cost guidelines for HFC phase-down had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligible for funding would be determined in accordance with those guidelines;
  - (iii) That the reductions from the country's remaining HFC consumption eligible for funding referred to in subparagraph (b)(ii) above would be deducted from the starting point referred to in subparagraph (b)(i) above;
  - (iv) That upon completion of the end-user technology demonstration project in the commercial refrigeration sector included in stage I of the KIP, UNDP would submit a final report on the implementation of the project, including the HFC phase-out and energy-efficiency gains achieved, in line with subparagraph (g) of decision 92/36;
- (c) To note also:
  - (i) That the Government of Cambodia would continue to monitor its HFC consumption to understand the extent to which reported consumption in baseline years was representative of the local market's needs and to assess what future HFC demand would be, and would provide that analysis when submitting the second tranche of its KIP;
  - (ii) That, on the basis of the information provided in subparagraph (c)(i) above, the maximum allowable consumption limits for the remaining years of stage I of the KIP, as contained in Appendix 2-A to the future Agreement between the Government of the Cambodia and the Executive Committee would be revised when the Committee considered the second tranche of the KIP;
- (d) To approve the first tranche of stage I of the KIP for Cambodia and the corresponding tranche implementation plan, in the amount of US \$277,672, consisting of US \$126,300, plus agency support costs of US \$16,419, for UNEP and US \$123,810, plus agency support costs of US \$11,143, for UNDP; and
- (e) To request the Government of Cambodia, UNEP, UNDP and the Secretariat to finalize the draft Agreement between the Government of the Cambodia and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex

referred to in subparagraph (a) above, and to submit it at a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/56).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex XL).*



## Annex XL

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR CAMBODIA**

**Kigali HFC implementation plan (stage I)**

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	1,263,376	1,263,376	1,263,376	1,263,376	1,263,376	1,137,038	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	1,263,376	1,263,376	1,263,376	1,263,376	1,263,376	1,137,038	n/a
2.1	Lead IA (UNEP) agreed funding (US \$)	126,300	0	0	108,000	0	0	44,500	278,800
2.2	Support costs for Lead IA (US \$)	16,419	0	0	14,040	0	0	5,785	36,244
2.3	Cooperating IA (UNDP) agreed funding (US \$)	123,810	0	0	38,075	0	0	0	161,885
2.4	Support costs for Cooperating IA (US \$)	11,143	0	0	3,427	0	0	0	14,570
3.1	Total agreed funding (US \$)	250,110	0	0	146,075	0	0	44,500	440,685
3.2	Total support costs (US \$)	27,562	0	0	17,467	0	0	5,785	50,814
3.3	Total agreed costs (US \$)	277,672	0	0	163,542	0	0	50,285	491,499

**CAMEROON**  
**KIP for Cameroon**

The Ninety-second Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Cameroon for the period 2023–2030 to reduce HFC consumption by at least 30 per cent of the country's estimated baseline in 2030, in the amount of US \$1,211,500, plus agency support costs of US \$84,805, for UNIDO, as reflected in the schedule contained in annex XIX to the present report;
- (b) To note:
  - (i) That the Government of Cameroon would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (ii) That, once the cost guidelines for HFC phase-down that determined the level and modalities of funding for the servicing sector for Article 5 countries had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligible for funding would be determined in line with those guidelines;
  - (iii) That the reductions from the country's remaining HFC consumption eligible for funding referred to in subparagraph (b)(ii) above would be deducted from the starting point referred to in subparagraph (b)(i) above;
- (c) To approve the first tranche of stage I of the KIP for Cameroon and the corresponding tranche implementation plan, in the amount of US \$355,500, plus agency support costs of US \$24,885, for UNIDO; and
- (d) To request the Government of Cameroon, UNIDO and the Secretariat to finalize the draft Agreement between the Government of Cameroon and the Executive Committee for the reduction in consumption of HFCs, including the relevant information on stage I of the KIP for Cameroon contained in the annex referred to in subparagraph (a) above, and submit it to a future meeting once the draft Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/92/56, Decision 92/34).*

*(Supporting document: UNEP/OzL.Pro/ExCom/92/56, Annex XIX).*

## Annex XIX

**SCHEDULE OF HFC COMMITMENTS AND FUNDING TRANCHES FOR CAMEROON  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN**

**Kigali HFC implementation plan (stage I)**

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	2030	Total
1.1	Montreal Protocol reduction schedule of Annex F (CO <sub>2</sub> -eq tonnes)	n/a	4,760,203	4,760,203	4,760,203	4,760,203	4,760,203	4,284,183	4,284,183	n/a
1.2	Maximum allowable total consumption of Annex F (CO <sub>2</sub> -eq tonnes)	3,579,012	3,753,448	3,728,532	3,594,623	3,568,669	3,386,415	3,360,461	3,335,300	n/a
2.1	Lead IA (UNIDO) agreed funding (US \$)	355,500	0	0	406,000	0	297,000	0	153,000	1,211,500
2.2	Support costs for Lead IA (US \$)	24,885	0	0	28,420	0	20,790	0	10,710	84,805
3.1	Total agreed funding (US \$)	355,500	0	0	406,000	0	297,000	0	153,000	1,211,500
3.2	Total support costs (US \$)	24,885	0	0	28,420	0	20,790	0	10,710	84,805
3.3	Total agreed costs (US \$)	380,385	0	0	434,420	0	317,790	0	163,710	1,296,305

**CHILE**  
**KIP for Chile**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Chile for the period 2023–2030 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$1,868,171, consisting of US \$1,477,711, plus agency support costs of US \$103,440, for UNDP and US \$254,000, plus agency support costs of US \$33,020, for UNEP, as reflected in the schedule contained in annex XLI to the present report;
- (b) To note that the implementation of stage I of the KIP would result in the reduction of 308.68 metric tonnes or 847,086 carbon dioxide-equivalent tonnes of HFCs;
- (c) To note also:
  - (i) That the Government of Chile would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (ii) That, once the cost guidelines for HFC phase-down had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligible for funding would be determined according to those guidelines;
  - (iii) That the reductions from the country's remaining HFC consumption eligible for funding referred to in subparagraphs (b) and (c)(ii) above would be deducted from the starting point referred to in subparagraph (c)(i) above;
- (d) To approve the first tranche of stage I of the KIP for Chile, and the corresponding tranche implementation plan, in the amount of US \$945,297, consisting of US \$752,607, plus agency support costs of US \$52,683, for UNDP and US \$123,900, plus agency support costs of US \$16,107, for UNEP; and
- (e) To request the Government of Chile, UNDP, UNEP and the Secretariat to finalize the draft Agreement between the Government of the Chile and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/57).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex XLI).*

## Annex XLI

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR CHILE**

**Kigali HFC implementation plan (stage I)**

<b>Row</b>	<b>Particulars</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	6,698,107	6,698,107	6,698,107	6,698,107	6,698,107	6,028,296	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	6,698,107	6,698,107	6,698,107	6,698,107	6,698,107	6,028,296	n/a
2.1	Lead IA (UNDP) agreed funding (US \$)	752,607	0	0	566,133	0	0	158,971	1,477,711
2.2	Support costs for Lead IA (US \$)	52,683	0	0	39,629	0	0	11,128	103,440
2.3	Cooperating IA (UNEP) agreed funding (US \$)	123,900	0	0	115,900	0	0	14,200	254,000
2.4	Support costs for Cooperating IA (US \$)	16,107	0	0	15,067	0	0	1,846	33,020
3.1	Total agreed funding (US \$)	876,507	0	0	682,033	0	0	173,171	1,731,711
3.2	Total support costs (US \$)	68,790	0	0	54,696	0	0	12,974	136,460
3.3	Total agreed costs (US \$)	945,297	0	0	736,729	0	0	186,145	1,868,171

**CONGO (the)**  
**KIP for Congo (the)**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for the Congo for the period 2023–2030 to reduce, by 2029, HFC consumption by 10 per cent of the country's average HFC consumption in the baseline years (i.e. 48.7 per cent of the country's baseline), in the amount of US \$257,640, consisting of US \$177,000, plus agency support costs of US \$23,010, for UNIDO and US \$51,000, plus agency support costs of US \$6,630, for UNEP, as reflected in the schedule contained in annex XLII to the present report;
- (b) To approve the first tranche of stage I of the KIP for the Congo, and the corresponding tranche implementation plan, in the amount of US \$92,096, consisting of US \$67,750, plus agency support costs of US \$8,808, for UNIDO and US \$13,750, plus agency support costs of US \$1,788, for UNEP; and
- (c) To request the Government of the Congo, UNIDO and UNEP and the Secretariat to finalize the draft Agreement between the Government of the Congo and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/58).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex XLII).*

## Annex XLII

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR THE CONGO**

**Kigali HFC implementation plan (stage I)**

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	2030	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	504,649	504,649	504,649	504,649	504,649	454,184	454,184	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	304,964	330,903	319,196	303,718	291,384	281,270	258,932	258,932	n/a
2.1	Lead IA (UNIDO) agreed funding (US \$)	67,750	0	0	96,500	0	0	0	12,750	177,000
2.2	Support costs for Lead IA (US \$)	8,808	0	0	12,545	0	0	0	1,658	23,010
2.3	Cooperating IA (UNEP) agreed funding (US \$)	13,750	0	0	27,500	0	0	0	9,750	51,000
2.4	Support costs for Cooperating IA (US \$)	1,788	0	0	3,575	0	0	0	1,267	6,630
3.1	Total agreed funding (US \$)	81,500	0	0	124,000	0	0	0	22,500	228,000
3.2	Total support costs (US \$)	10,595	0	0	16,120	0	0	0	2,925	29,640
3.3	Total agreed costs (US \$)	92,095	0	0	140,120	0	0	0	25,425	257,640

**CUBA**  
**KIP for Cuba**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Cuba for the period 2023–2029 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$325,000, plus agency support costs of US \$42,250, for UNDP, as reflected in the schedule contained in annex XLIII to the present report;
- (b) To note:
  - (i) That the Government of Cuba would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (ii) That, once the cost guidelines for HFC phase-down had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligible for funding would be determined in accordance with those guidelines;
  - (iii) That the reductions from the country's remaining HFC consumption eligible for funding referred to in subparagraph (b)(ii) above would be deducted from the starting point referred to in subparagraph (b)(i) above;
  - (iv) That, if the HFC consumption level for Cuba in any of the years 2024 to 2025 was above the Montreal Protocol control limits or the maximum allowable consumption in the future Agreement between the Government of Cuba and the Executive Committee, on the understanding that the Government of Cuba would continue to make every effort to meet those control limits, the Secretariat would inform and seek guidance from the Executive Committee on the procedure to follow in light of decision XXXV/16;
  - (v) That, during the implementation of stage I of the KIP, the Government of Cuba would be allowed, on an exceptional basis, to submit investment projects in the refrigeration and air-conditioning sector to achieve additional HFC reductions;
  - (vi) That a project to phase out HFCs contained in imported pre-blended polyols in the polyurethane foam sector in Cuba would be subject to the decision taken by the Committee on whether it would fund the phase-out of HFCs contained in imported pre-blended polyols;
  - (vii) That, upon completion of the end-user technology demonstration project in the commercial refrigeration sector included in stage I of the KIP, UNDP would submit a final report on the implementation of the project, including the HFC phase-out and energy-efficiency gains achieved, in line with subparagraph (g) of decision 92/36;
- (c) To approve the first tranche of stage I of the KIP for Cuba, and the corresponding tranche implementation plan, in the amount of US \$160,000, plus agency support costs of US \$20,800, for UNDP; and
- (d) To request the Government of Cuba, UNDP and the Secretariat to finalize the draft Agreement between the Government of Cuba and the Executive Committee for the



reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/59).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex XLIII).*

## Annex XLIII

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR CUBA**

**Kigali HFC implementation plan (stage I)**

<b>Row</b>	<b>Particulars</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	1,030,662	1,030,662	1,030,662	1,030,662	1,030,662	927,596	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	1,030,662	1,030,662	1,030,662	1,030,662	1,030,662	927,596	n/a
2.1	Lead IA (UNDP) agreed funding (US \$)	160,000	0	0	130,000	0	0	35,000	325,000
2.2	Support costs for Lead IA (US \$)	20,800	0	0	16,900	0	0	4,550	42,250
3.1	Total agreed funding (US \$)	160,000	0	0	130,000	0	0	35,000	325,000
3.2	Total support costs (US \$)	20,800	0	0	16,900	0	0	4,550	42,250
3.3	Total agreed costs (US \$)	180,800	0	0	146,900	0	0	39,550	367,250

**DOMINICAN REPUBLIC**  
**KIP for Dominican Republic**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for the Dominican Republic for the period 2023–2029 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$1,274,702, consisting of US \$794,168, plus agency support costs of US \$55,592, for UNDP, US \$269,949, plus agency support costs of US \$35,093, for UNEP and US \$110,000, plus agency support costs of US \$9,900, for UNIDO, as reflected in the schedule contained in annex XLIV to the present report;
- (b) To note:
  - (i) That, in line with decision 81/57, stage I of the KIP included an additional US \$144,709, consisting of US \$49,825, plus agency support costs of US \$4,484, for UNDP and US \$80,000, plus agency support costs of US \$10,400, for the Government of Canada, related to the project approved at the 81<sup>st</sup> meeting to phase out 4.01 metric tonnes (5,734.3 carbon dioxide-equivalent tonnes) of HFC-134a and 0.15 metric tonnes (588.3 carbon dioxide-equivalent tonnes) of R-404A at the commercial refrigerator manufacturing enterprise Fábrica de Refrigeradores Comerciales, SRL (FARCO);
  - (ii) That the Government of the Dominican Republic would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (iii) That, once the cost guidelines for HFC phase-down had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligible for funding would be determined in accordance with the guidelines;
  - (iv) That the reductions from the country's remaining HFC consumption eligible for funding referred to in subparagraph (b)(iii) above would be deducted from the starting point referred to in subparagraph (b)(ii) above;
- (c) To note also:
  - (i) That the Government of the Dominican Republic would continue to monitor its HFC consumption to understand the extent to which reported consumption in the baseline years was representative of the local market's needs and to assess what HFC demand would be, and would provide that analysis when submitting the second tranche of its KIP;
  - (ii) That, on the basis of the information provided in subparagraph (c)(i) above, the maximum allowable consumption limits for the remaining years of stage I of the KIP, as contained in Appendix 2-A to the future Agreement between the Government of the Dominican Republic and the Executive Committee would be revised when the Committee considered the second tranche of the KIP;
- (d) To approve the first tranche of stage I of the KIP for the Dominican Republic, and the corresponding tranche implementation plan, in the amount of US \$581,693, consisting of US \$365,106, plus agency support costs of US \$25,557, for UNDP, US \$120,774, plus

agency support costs of US \$15,701, for UNEP and US \$50,050, plus agency support costs of US \$4,505, for UNIDO; and

- (e) To request the Government of the Dominican Republic, UNDP, UNEP, UNIDO and the Secretariat to finalize the draft Agreement between the Government of the Dominican Republic and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/60).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex XLIV).*

**Annex XLIV**  
**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRanches UNDER**  
**THE KIGALI HFC IMPLEMENTATION PLAN FOR THE DOMINICAN REPUBLIC**

**Kigali HFC implementation plan (stage I)\***

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	3,834,205	3,834,205	3,834,205	3,834,205	3,834,205	3,450,785	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	3,834,205	3,834,205	3,834,205	3,834,205	3,834,205	3,450,785	n/a
2.1	Lead IA (UNDP) agreed funding (US \$)	365,106	0	0	368,223	0	0	60,839	794,168
2.2	Support costs for Lead IA (US \$)	25,557	0	0	25,776	0	0	4,259	55,592
2.3	Cooperating IA (UNEP) agreed funding (US \$)	120,774	0	0	103,272	0	0	45,903	269,949
2.4	Support costs for Cooperating IA (US \$)	15,701	0	0	13,425	0	0	5,967	35,093
2.5	Cooperating IA (UNIDO) agreed funding (US \$)	50,050	0	0	49,280	0	0	10,670	110,000
2.6	Support costs for Cooperating IA (US \$)	4,505	0	0	4,435	0	0	960	9,900
3.1	Total agreed funding (US \$)	535,930	0	0	520,775	0	0	117,412	1,174,117
3.2	Total support costs (US \$)	45,763	0	0	43,636	0	0	11,186	100,585
3.3	Total agreed costs (US \$)	581,693	0	0	564,411	0	0	128,598	1,274,702

\* Noting that 4.01 mt (5,734.3 CO<sub>2</sub>-eq tonnes) of HFC-134a and 0.15 mt (588.3 CO<sub>2</sub>-eq tonnes) of R-404A would be deducted from the starting point for sustained aggregate reduction in HFCs once it has been established (decision 81/57)

**ECUADOR**  
**KIP for Ecuador**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Ecuador for the period 2023–2029 to reduce, by 2029, HFC consumption by 14 per cent of the country's baseline, in the amount of US \$729,944, plus agency support costs of US \$51,096, for UNIDO, as reflected in the schedule contained in annex XLV to the present report;
- (b) To note:
  - (i) That in line with decision 91/59, stage I of the KIP included an additional US \$267,885, plus agency support costs of US \$18,752, for UNIDO, related to the project approved at the 91<sup>st</sup> meeting to phase out 10.42 metric tonnes (14,901 carbon dioxide-equivalent tonnes) of HFC-134a at the commercial and domestic refrigerator manufacturing facility at Induglob;
  - (ii) That the Government of Ecuador would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (iii) That, once the cost guidelines for HFC phase-down had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligible for funding would be determined in accordance with those guidelines;
  - (iv) That the reductions from the country's remaining HFC consumption eligible for funding, referred to in subparagraph (b)(iii) above, would be deducted from the starting point referred to in subparagraph (b)(ii) above;
- (c) To approve the first tranche of stage I of the KIP for Ecuador, and the corresponding tranche implementation plan, in the amount of US \$292,600, plus agency support costs of US \$20,482, for UNIDO; and
- (d) To request the Government of Ecuador, UNIDO and the Secretariat to finalize the draft Agreement between the Government of Ecuador and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/61).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex XLV).*

## Annex XLV

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR ECUADOR**

**Kigali HFC implementation plan (stage I)**

Row	Particulars	2022*	2023	2024	2025	2026	2027	2028	2029	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	n/a	3,179,294	3,179,294	3,179,294	3,179,294	3,179,294	2,861,365	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	n/a	3,179,294	3,083,915	2,991,398	2,901,656	2,814,606	2,730,168	n/a
2.1	Lead IA (UNIDO) agreed funding (US \$)	267,885	292,600	0	0	364,414	0	0	72,930	997,829
2.2	Support costs for Lead IA (US \$)	18,752	20,482	0	0	25,509	0	0	5,105	69,848
3.1	Total agreed funding (US \$)	267,885	292,600	0	0	364,414	0	0	72,930	997,829
3.2	Total support costs (US \$)	18,752	20,482	0	0	25,509	0	0	5,105	69,848
3.3	Total agreed costs (US \$)	286,637	313,082	0	0	389,923	0	0	78,035	1,067,677

\* Conversion of one commercial and domestic refrigerator manufacturing line at Induglob approved at the 91<sup>st</sup> meeting (decision 91/59) to phase-out 14,901 CO<sub>2</sub>-eq tonnes (10.42 mt) of HFC-134a.

**GHANA**  
**KIP for Ghana**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Ghana for the period 2023–2030 to reduce HFC consumption by 57 per cent of the country's baseline between 2024 to 2028 and by 58 per cent between 2029 and 2030, in the amount of US \$367,250, consisting of US \$232,000, plus agency support costs of US \$30,160, for UNDP, and US \$93,000, plus agency support costs of US \$12,090, for UNEP, as reflected in the schedule contained in annex XLVI to the present report;
- (b) To note that, upon completion of the end-user technology demonstration project included in stage I of the KIP, UNDP would submit a final report on the implementation of the project, including the HFC phase-out and energy-efficiency gains achieved, in line with subparagraph (g) of decision 92/36;
- (c) To approve the first tranche of stage I of the KIP for Ghana, and the corresponding tranche implementation plan, in the amount of US \$212,440, consisting of US \$132,500, plus agency support costs of US \$17,225, for UNDP and US \$55,500, plus agency support costs of US \$7,215, for UNEP;
- (d) To request the Government of Ghana, UNDP, UNEP and the Secretariat to finalize the draft Agreement between the Government of Ghana and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee; and
- (e) To allow the Government of Ghana to submit a funding request for phasing down HFCs in the firefighting sector, for consideration by the Executive Committee in line with the agreed cost guidelines for that sector, when the Government had identified the consumption and revised the Article 7 and the country programme data.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/62).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex XLVI).*



## Annex XLVI

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR GHANA**

**Kigali HFC implementation plan (stage I)**

	<b>Particulars</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Total</b>
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	1,805,702	1,805,702	1,805,702	1,805,702	1,805,702	1,625,132	1,625,132	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	782,656	782,656	782,656	782,656	782,656	767,003	767,003	n/a
2.1	Lead IA (UNDP) agreed funding (US \$)	132,500	0	0	0	79,000	0	0	20,500	232,000
2.2	Support costs for Lead IA (US \$)	17,225	0	0	0	10,270	0	0	2,665	30,160
2.3	Cooperating IA (UNEP) agreed funding (US \$)	55,500	0	0	0	25,500	0	0	12,000	93,000
2.4	Support costs for Cooperating IA (US \$)	7,215	0	0	0	3,315	0	0	1,560	12,090
3.1	Total agreed funding (US \$)	188,000	0	0	0	104,500	0	0	32,500	325,000
3.2	Total support costs (US \$)	24,440	0	0	0	13,585	0	0	4,225	42,250
3.3	Total agreed costs (US \$)	212,440	0	0	0	118,085	0	0	36,725	367,250

**GRENADA**  
**KIP for Grenada**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Grenada for the period 2023–2030 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$163,850, consisting of US \$87,842, plus agency support costs of US \$11,419, for UNEP and US \$57,158, plus agency support costs of US \$7,431, for UNDP, as reflected in the schedule contained in annex XLVII to the present report;
- (b) To note:
  - (i) That the Government of Grenada would continue to monitor its HFC consumption to understand the extent to which reported consumption in baseline years was representative of the local market's needs and to assess what future HFC demand would be, and would provide that analysis when submitting the second tranche of its KIP;
  - (ii) That, on the basis of the information provided in subparagraph (b)(i) above, the maximum allowable consumption limits for the remaining years of stage I of the KIP, as contained in Appendix 2-A to the future Agreement between the Government of Grenada and the Executive Committee would be revised, if appropriate, when the Committee considered the second tranche of the KIP;
  - (iii) That, ahead of submission of the second tranche, the Government of Grenada would consider opportunities for more ambitious targets with respect to the maximum allowable consumption;
- (c) To approve the first tranche of stage I of the KIP for Grenada, and the corresponding tranche implementation plan, in the amount of US \$81,925, consisting of US \$27,500, plus agency support costs of US \$3,575, for UNEP and US \$45,000, plus agency support costs of US \$5,850, for UNDP; and
- (d) To request the Government of Grenada, UNEP, UNDP and the Secretariat to finalize the draft Agreement between the Government of Grenada and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/63).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex XLVII).*

## Annex XLVII

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR GRENADA**

**Kigali HFC implementation plan (stage I)**

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	2030	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	52,815	52,815	52,815	52,815	52,815	47,534	47,534	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	52,815	52,815	52,815	52,815	52,815	47,534	47,534	n/a
2.1	Lead IA (UNEP) agreed funding (US \$)	27,500	0	0	0	44,000	0	0	16,342	87,842
2.2	Support costs for Lead IA (US \$)	3,575	0	0	0	5,720	0	0	2,124	11,419
2.3	Cooperating IA (UNDP) agreed funding (US \$)	45,000	0	0	0	12,158	0	0	0	57,158
2.4	Support costs for Cooperating IA (US \$)	5,850	0	0	0	1,581	0	0	0	7,431
3.1	Total agreed funding (US \$)	72,500	0	0	0	56,158	0	0	16,342	145,000
3.2	Total support costs (US \$)	9,425	0	0	0	7,301	0	0	2,124	18,850
3.3	Total agreed costs (US \$)	81,925	0	0	0	63,459	0	0	18,466	163,850

**JORDAN**  
**KIP for Jordan**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Jordan for the period 2023–2030 to reduce, by 2030, HFC consumption by 54 per cent of the country's baseline, in the amount of US \$4,840,083, plus agency support costs of US \$338,806, for UNIDO, as reflected in the schedule contained in annex XLVIII to the present report;
- (b) To note:
  - (i) That, in line with decision 81/62, stage I of the KIP included an additional US \$1,637,610, plus agency support costs of US \$114,633, for UNIDO, related to the project approved at the 81<sup>st</sup> meeting to phase out 36.25 metric tonnes (51,837.5 carbon dioxide-equivalent tonnes) of HFC-134a, 39.75 metric tonnes (70,516.5 carbon dioxide-equivalent tonnes) of R-407C and 42.70 metric tonnes (89,175.6 carbon dioxide-equivalent tonnes) of R-410A in the manufacture of large commercial unitary roof-top air-conditioning units of up to 400 kilowatts at Petra Engineering Industries Co.;
  - (ii) That the Government of Jordan would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (iii) That, once the cost guidelines for HFC phase-down had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligible for funding would be determined in accordance with those guidelines;
  - (iv) That the reductions from the country's remaining HFC consumption eligible for funding referred to in subparagraph (b)(iii) above would be deducted from the starting point referred to in subparagraph (b) (ii) above;
  - (v) The commitment of the Government of Jordan to ban the import and manufacture of HFC-based domestic refrigeration equipment upon completion of the conversion projects in the subsector;
- (c) To note also that, in line with the request from the Government of Jordan, UNDP would be added to stage I of the KIP as a cooperating agency when the second tranche was submitted;
- (d) To approve the first tranche of stage I of the KIP for Jordan, and the corresponding tranche implementation plan, in the amount of US \$2,540,680, plus agency support costs of US \$177,848, for UNIDO; and
- (e) To request the Government of Jordan, UNIDO and the Secretariat to finalize the draft Agreement between the Government of Jordan and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

## Annex XLVIII

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR JORDAN**

**Kigali HFC implementation plan (stage I)\***

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	2030	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	2,808,101	2,808,101	2,808,101	2,808,101	2,808,101	2,527,291	2,527,291	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	1,809,703	1,707,013	1,596,587	1,492,613	1,393,191	1,367,791	1,278,531	n/a
2.1	Lead IA (UNIDO) agreed funding (US \$)	2,540,680	0	0	0	1,802,170	0	0	497,233	4,840,083
2.2	Support costs for Lead IA (US \$)	177,848	0	0	0	126,152	0	0	34,806	338,806
3.1	Total agreed funding (US \$)	2,540,680	0	0	0	1,802,170	0	0	497,233	4,840,083
3.2	Total support costs (US \$)	177,848	0	0	0	126,152	0	0	34,806	338,806
3.3	Total agreed costs (US \$)	2,718,528	0	0	0	1,928,322	0	0	532,039	5,178,889

\* Noting that 36.25 mt (51,837.5 CO<sub>2</sub>-eq tonnes) of HFC-134a, 39.75 mt (70,516.5 CO<sub>2</sub>-eq tonnes) of R-407C, and 42.70 mt (89,175.6 CO<sub>2</sub>-eq tonnes) of R-410A would be deducted from the starting point for sustained aggregate reduction in HFCs once it has been established (decision 81/62).

**KYRGYZSTAN**  
**KIP for Kyrgyzstan**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Kyrgyzstan for the period 2023–2029 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$214,700, consisting of US \$130,000, plus agency support costs of US \$16,900, for UNDP and US \$60,000, plus agency support costs of US \$7,800, for UNEP, as reflected in the schedule contained in annex XLIX to the present report;
- (b) To note that the schedule of tranches contained in the annex referred to in subparagraph (a) above had been approved on an exceptional basis as the HFC consumption in the servicing sector in Kyrgyzstan in the baseline years was below 360 metric tonnes and the country had already completed its HCFC phase-out management plan;
- (c) To note also that the next verification report to be submitted under the country's KIP would include verification of HFC and HCFC consumption, and that, in the unlikely event of non-compliance by the Government with its HCFC Agreement with the Executive Committee, relevant actions to be taken would be considered by the Executive Committee;
- (d) To approve the first tranche of stage I of the KIP for Kyrgyzstan, and the corresponding tranche implementation plan, in the amount of US \$91,530, consisting of US \$51,000, plus agency support costs of US \$6,630, for UNDP and US \$30,000, plus agency support costs of US \$3,900, for UNEP; and
- (e) To request the Government of Kyrgyzstan, UNDP, UNEP and the Secretariat to finalize the draft Agreement between the Government of Kyrgyzstan and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/65).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex XLIX).*

## Annex XLIX

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR KYRGYZSTAN**

**Kigali HFC implementation plan (stage I)**

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	450,382	450,382	450,382	450,382	450,382	405,344	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	450,382	450,382	450,382	450,382	450,382	405,344	n/a
2.1	Lead IA (UNDP) agreed funding (US \$)	51,000	0	0	79,000	0	0	0	130,000
2.2	Support costs for Lead IA (US \$)	6,630	0	0	10,270	0	0	0	16,900
2.3	Cooperating IA (UNEP) agreed funding (US \$)	30,000	0	0	30,000	0	0	0	60,000
2.4	Support costs for Cooperating IA (US \$)	3,900	0	0	3,900	0	0	0	7,800
3.1	Total agreed funding (US \$)	81,000	0	0	109,000	0	0	0	190,000
3.2	Total support costs (US \$)	10,530	0	0	14,170	0	0	0	24,700
3.3	Total agreed costs (US \$)	91,530	0	0	123,170	0	0	0	214,700

**MALAWI**  
**KIP for Malawi**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Malawi for the period 2023–2030 to reduce, by 2030, HFC consumption by 54 per cent of the country's baseline, in the amount of US \$211,310, consisting of US \$114,200, plus agency support costs of US \$14,846, for UNEP and US \$72,800, plus agency support costs of US \$9,464, for UNIDO, as reflected in the schedule contained in annex L to the present report, taking into consideration the ambitious consumption reduction target of the Government of Malawi;
- (b) To note that the approval for stage I of the KIP included an additional 10 per cent above the levels of funding agreed in subparagraph b(ii) of decision 92/37, as an incentive for the ambitious reduction targets that the Government of Malawi aimed to achieve compared to the Montreal Protocol schedule;
- (c) To note that, upon completion of the end-user technology demonstration project included in stage I of the KIP, UNIDO would submit a final report on the implementation of the project, including the HFC phase-out and energy-efficiency gains achieved, in line with subparagraph (g) of decision 92/36;
- (d) To approve the first tranche of stage I of the KIP for Malawi, and the corresponding tranche implementation plan, in the amount of US \$76,840, consisting of US \$39,000, plus agency support costs of US \$5,070, for UNEP and US \$29,000, plus agency support costs of US \$3,770, for UNIDO; and
- (e) To request the Government of Malawi, UNEP, UNIDO and the Secretariat to finalize the draft Agreement between the Government of Malawi and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/66).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex L).*



## Annex L

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR MALAWI**

**Kigali HFC implementation plan (stage I)**

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	2030	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	428,435	428,435	428,435	428,435	428,435	385,591	385,591	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	209,337	217,890	214,626	209,580	206,020	203,508	201,736	197,488	n/a
2.1	Lead IA (UNEP) agreed funding (US \$)	39,000	0	0	58,200	0	0	0	17,000	114,200
2.2	Support costs for Lead IA (US \$)	5,070	0	0	7,566	0	0	0	2,210	14,846
2.3	Cooperating IA (UNIDO) agreed funding (US \$)	29,000	0	0	43,800	0	0	0	0	72,800
2.4	Support costs for Cooperating IA (US \$)	3,770	0	0	5,694	0	0	0	0	9,464
3.1	Total agreed funding (US \$)	68,000	0	0	102,000	0	0	0	17,000	187,000
3.2	Total support costs (US \$)	8,840	0	0	13,260	0	0	0	2,210	24,310
3.3	Total agreed costs (US \$)	76,840	0	0	115,260	0	0	0	19,210	211,310

**MALAYSIA**  
**KIP for Malaysia**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Malaysia for the period 2023–2029 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$9,275,115, plus agency support costs of US \$649,258 for World Bank, as reflected in the schedule contained in annex LI to the present report;
- (b) To note:
  - (i) That the Government of Malaysia would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (ii) That, once the cost guidelines for HFC phase-down had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligible for funding would be determined in accordance with those guidelines;
  - (iii) That the reductions from the country's remaining HFC consumption eligible for funding referred to in subparagraph (b)(ii) above would be deducted from the starting point referred to in subparagraph (b)(i) above;
  - (iv) That the Government of Malaysia would continue to monitor its HFC consumption to understand the extent to which reported consumption in baseline years was representative of the local market's needs and to assess what future HFC demand would be, and would provide that analysis when submitting the second tranche of its KIP;
  - (v) That, on the basis of the information provided in subparagraph (b) (iv) above, the Executive Committee might, as appropriate, revisit the country's starting point for sustained aggregate reductions in HFC consumption;
  - (vi) That the Government of Malaysia would continue to monitor imports of large new market entrants in 2022 and include any relevant information in the request for the second tranche;
  - (vii) The commitment of the Government:
    - a. To ban the installation of new HFC-23- and HFC-125-based fire suppression systems by 1 January 2026;
    - b. To ban, by 1 January 2029, the manufacturing and import of the following equipment: HFC-based stand-alone commercial refrigeration equipment; HFC-based domestic refrigeration; components for refrigerated transport using HFC-134a, R-452A and R-404A; and split air conditioners and heat pumps using R-407C;
    - c. To ban, by 1 January 2029, new installations of chillers using R-407C;
  - (viii) That the car manufacturing enterprise Perusahaan Otomobil Nasional Sdn Bhd (Proton) would be eligible for further funding from the Multilateral Fund only for the phase-down of HFCs to convert the existing equipment on its second assembly line not assisted under stage I and for eligible incremental operating costs;
- (c) To approve the first tranche of stage I of the KIP for Malaysia, and the corresponding

tranche implementation plan, in the amount of US \$3,042,912, plus agency support costs of US \$213,004, for World Bank; and

- (d) To request the Government of Malaysia, World Bank and the Secretariat to finalize the draft Agreement between the Government of Malaysia and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/67).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex LI).*

## Annex LI

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHEs  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR MALAYSIA**

**Kigali HFC implementation plan (stage I)**

<b>Row</b>	<b>Particulars</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	26,703,717	26,703,717	26,703,717	26,703,717	26,703,717	24,033,345	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	26,703,717	26,703,717	26,703,717	26,703,717	26,703,717	24,033,345	n/a
2.1	Lead IA (World Bank) agreed funding (US \$)	3,042,912	0	3,246,290	0	2,336,655	0	649,258	9,275,115
2.2	Support costs for Lead IA (US \$)	213,004	0	227,240	0	163,566	0	45,448	649,258
3.1	Total agreed funding (US \$)	3,042,912	0	3,246,290	0	2,336,655	0	649,258	9,275,115
3.2	Total support costs (US \$)	213,004	0	227,240	0	163,566	0	45,448	649,258
3.3	Total agreed costs (US \$)	3,255,916	0	3,473,530	0	2,500,221	0	694,706	9,924,373

**MEXICO**  
**KIP for Mexico**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Malaysia for the period 2023–2029 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$9,275,115, plus agency support costs of US \$649,258 for World Bank, as reflected in the schedule contained in annex LI to the present report;
- (b) To note:
  - (i) That the Government of Malaysia would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (ii) That, once the cost guidelines for HFC phase-down had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligible for funding would be determined in accordance with those guidelines;
  - (iii) That the reductions from the country's remaining HFC consumption eligible for funding referred to in subparagraph (b)(ii) above would be deducted from the starting point referred to in subparagraph (b)(i) above;
  - (iv) That the Government of Malaysia would continue to monitor its HFC consumption to understand the extent to which reported consumption in baseline years was representative of the local market's needs and to assess what future HFC demand would be, and would provide that analysis when submitting the second tranche of its KIP;
  - (v) That, on the basis of the information provided in subparagraph (b) (iv) above, the Executive Committee might, as appropriate, revisit the country's starting point for sustained aggregate reductions in HFC consumption;
  - (vi) That the Government of Malaysia would continue to monitor imports of large new market entrants in 2022 and include any relevant information in the request for the second tranche;
  - (vii) The commitment of the Government:
    - a. To ban the installation of new HFC-23- and HFC-125-based fire suppression systems by 1 January 2026;
    - b. To ban, by 1 January 2029, the manufacturing and import of the following equipment: HFC-based stand-alone commercial refrigeration equipment; HFC-based domestic refrigeration; components for refrigerated transport using HFC-134a, R-452A and R-404A; and split air conditioners and heat pumps using R-407C;
    - c. To ban, by 1 January 2029, new installations of chillers using R-407C;
  - (viii) That the car manufacturing enterprise Perusahaan Otomobil Nasional Sdn Bhd (Proton) would be eligible for further funding from the Multilateral Fund only for the phase-down of HFCs to convert the existing equipment on its second assembly line not assisted under stage I and for eligible incremental operating costs;
- (c) To approve the first tranche of stage I of the KIP for Malaysia, and the corresponding

tranche implementation plan, in the amount of US \$3,042,912, plus agency support costs of US \$213,004, for World Bank; and

- (d) To request the Government of Malaysia, World Bank and the Secretariat to finalize the draft Agreement between the Government of Malaysia and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/68).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex LII).*

## Annex LII

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHEs  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR MEXICO**

**Kigali HFC implementation plan (stage I)\***

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	76,982,664	76,982,664	76,982,664	76,982,664	76,982,664	69,284,397	n.a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	76,982,664	76,982,664	76,982,664	76,982,664	76,982,664	69,284,397	n.a
2.1	Lead IA (UNIDO) agreed funding (US \$)	5,085,390	0	3,789,551	0	3,692,764	0	1,593,351	14,161,056
2.2	Support costs for Lead IA (US \$)	355,977	0	265,269	0	258,493	0	111,535	991,274
2.3	Cooperating IA (UNDP) agreed funding (US \$)	1,433,738	0	2,053,265	0	1,206,050	0	63,541	4,756,594
2.4	Support costs for Cooperating IA (US \$)	100,362	0	143,729	0	84,424	0	4,448	332,962
2.5	Cooperating IA (UNEP) agreed funding (US \$)	227,795	0	227,795	0	233,091	0	26,476	715,157
2.6	Support costs for Cooperating IA (US \$)	28,243	0	28,242	0	28,899	0	3,283	88,667
3.1	Total agreed funding (US \$)	6,746,923	0	6,070,611	0	5,131,905	0	1,683,368	19,632,807
3.2	Total support costs (US \$)	484,582	0	437,240	0	371,816	0	119,265	1,412,903
3.3	Total agreed costs (US \$)	7,231,505	0	6,507,851	0	5,503,721	0	1,802,633	21,045,710

\* Noting that 70.96 mt (101,470 CO<sub>2</sub>-eq tonnes) of HFC-134a and 5.91 mt (23,187 CO<sub>2</sub>-eq tonnes) of R-404A from the conversion of commercial refrigeration manufacturing in two facilities in Imbera (US \$1,018,123, plus agency support costs of US \$71,268 for UNIDO, decision 81/64); 198 mt (283,140 CO<sub>2</sub>-eq tonnes) of HFC-134a from the conversion of a domestic refrigeration manufacturing facility and a compressor manufacturing facility at Mabe (US \$2,992,400, consisting of US \$2,115,012, plus agency support costs of US \$148,051 for UNDP and US \$584,988, plus agency support cost of US \$74,349 for the Government of Canada, decision 81/65); 5.18 mt (7,407 CO<sub>2</sub>-eq tonnes) of HFC-134a from the conversion of the manufacturing of commercial refrigerators at Friocima (US \$136,500, plus agency support costs of US \$12,285 for UNDP, decision 92/35).

**NICARAGUA**  
**KIP for Nicaragua**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Nicaragua for the period 2023–2030 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$367,250, consisting of US \$225,000, plus agency support costs of US \$29,250, for UNIDO and US \$100,000, plus agency support costs of US \$13,000, for UNEP, as reflected in the schedule contained in annex LIII to the present report;
- (b) To approve the first tranche of stage I of the KIP for Nicaragua, and the corresponding tranche implementation plan, in the amount of US \$224,870, consisting of US \$159,000, plus agency support costs of US \$20,670, for UNIDO and US \$40,000, plus agency support costs of US \$5,200, for UNEP; and
- (c) To request the Government of Nicaragua, UNIDO, UNEP and the Secretariat to finalize the draft Agreement between the Government of Nicaragua and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/69).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex LIII).*



## Annex LIII

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR NICARAGUA**

**Kigali HFC implementation plan (stage I)**

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	2030	Total
1.1	Montreal Protocol reduction schedule of Annex F (CO <sub>2</sub> -eq tonnes)	n/a	582,513	582,513	582,513	582,513	582,513	524,262	524,262	n/a
1.2	Maximum allowable total consumption of Annex F (CO <sub>2</sub> -eq tonnes)	n/a	582,513	582,513	582,513	582,513	582,513	524,262	524,262	n/a
2.1	Lead IA (UNIDO) agreed funding (US \$)	159,000	0	0	41,000	0	0	0	25,000	225,000
2.2	Support costs for Lead IA (US \$)	20,670	0	0	5,330	0	0	0	3,250	29,250
2.3	Cooperating IA (UNEP) agreed funding (US \$)	40,000	0	0	47,500	0	0	0	12,500	100,000
2.4	Support costs for Cooperating IA (US \$)	5,200	0	0	6,175	0	0	0	1,625	13,000
3.1	Total agreed funding (US \$)	199,000	0	0	88,500	0	0	0	37,500	325,000
3.2	Total support costs (US \$)	25,870	0	0	11,505	0	0	0	4,875	42,250
3.3	Total agreed costs (US \$)	224,870	0	0	100,005	0	0	0	42,375	367,250

**NIGER**  
**KIP for Niger**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for the Niger for the period 2023–2030 to reduce, by 2029, HFC consumption by 10 per cent of the country's average HFC consumption in the baseline years (i.e. 35.2 per cent of the country's baseline), in the amount of US \$488,160, consisting of US \$317,000, plus agency support costs of US \$41,210, for UNIDO and US \$115,000, plus agency support costs of US \$14,950, for UNEP, as reflected in the schedule contained in annex LIV to the present report;
- (b) To note that, upon completion of the end-user technology demonstration project included in stage I of the KIP, UNIDO would submit a final report on the implementation of the project, including the HFC phase-out and energy-efficiency gains achieved, in line with subparagraph (g) of decision 92/36;
- (c) To approve the first tranche of stage I of the KIP for the Niger, and the corresponding tranche implementation plan, in the amount of US \$169,500, consisting of US \$115,000, plus agency support costs of US \$14,950, for UNIDO and US \$35,000, plus agency support costs of US \$4,550, for UNEP, noting that, in line with subparagraph (b) of decision 91/58, the following portion of the approval had been transferred in advance to the implementing agencies at the 91<sup>st</sup> meeting: US \$80,000, plus agency support costs of US \$7,200, to UNIDO and US \$20,000, plus agency support costs of US \$2,600, to UNEP; and
- (d) To request the Government of the Niger, UNIDO, UNEP and the Secretariat to finalize the draft Agreement between the Government of the Niger and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/70).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex LIV).*

## Annex LIV

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR THE NIGER**

**Kigali HFC implementation plan (stage I)**

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	2030	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	1,222,358	1,222,358	1,222,358	1,222,358	1,222,358	1,100,122	1,100,122	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	935,450	911,652	887,506	864,056	840,258	792,662	792,662	n/a
2.1	Lead IA (UNIDO) agreed funding (US \$)	115,000	0	94,500	0	69,500	0	0	38,000	317,000
2.2	Support costs for Lead IA (US \$)	14,950	0	12,285	0	9,035	0	0	4,940	41,210
2.3	Cooperating IA (UNEP) agreed funding (US \$)	35,000	0	35,000	0	40,000	0	0	5,000	115,000
2.4	Support costs for Cooperating IA (US \$)	4,550	0	4,550	0	5,200	0	0	650	14,950
3.1	Total agreed funding (US \$)	*150,000	0	129,500	0	109,500	0	0	43,000	432,000
3.2	Total support costs (US \$)	*19,500	0	16,835	0	14,235	0	0	5,590	56,160
3.3	Total agreed costs (US \$)	*169,500	0	146,335	0	123,735	0	0	48,590	488,160

\* Including the US \$100,000 advanced at the 91<sup>st</sup> meeting.

**NORTH MACEDONIA**  
**KIP for North Macedonia**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for North Macedonia for the period 2023–2029 to reduce, by 2029, HFC consumption by 10 per cent of its average HFC consumption in the baseline years (i.e. 18.7 per cent of the country's baseline), in the amount of US \$216,000, plus agency support costs of US \$28,080, for UNIDO, as reflected in the schedule contained in annex LV to the present report;
- (b) To note:
  - (i) That the Government of North Macedonia would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (ii) That, once the cost guidelines for HFC phase-down had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligible for funding would be determined in accordance with those guidelines;
  - (iii) That the reductions from the country's remaining HFC consumption eligible for funding referred to in subparagraph (b)(ii) above would be deducted from the starting point referred to in subparagraph (b)(i) above;
  - (iv) That, during implementation of stage I of the KIP, the Government of North Macedonia would be allowed on an exceptional basis to submit a project to phase out the consumption of HFC-152a in the extruded polystyrene foam manufacturing sector;
- (c) To approve the first tranche of stage I of the KIP for North Macedonia, and the corresponding tranche implementation plan, in the amount of US \$103,555, plus agency support costs of US \$13,462, for UNIDO; and
- (d) To request the Government of North Macedonia, UNIDO and the Secretariat to finalize the draft Agreement between the Government of North Macedonia and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/71).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex LV).*

## Annex LV

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR NORTH MACEDONIA**

**Kigali HFC implementation plan (stage I)**

<b>Row</b>	<b>Particulars</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	397,842	397,842	397,842	397,842	397,842	358,058	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	378,557	368,915	359,272	359,272	359,272	323,345	n/a
2.1	Lead IA (UNIDO) agreed funding (US \$)	103,555	0	0	90,445	0	22,000	0	216,000
2.2	Support costs for Lead IA (US \$)	13,462	0	0	11,758	0	2,860	0	28,080
3.1	Total agreed funding (US \$)	103,555	0	0	90,445	0	22,000	0	216,000
3.2	Total support costs (US \$)	13,462	0	0	11,758	0	2,860	0	28,080
3.3	Total agreed costs (US \$)	117,017	0	0	102,203	0	24,860	0	244,080

**PANAMA**  
**KIP for Panama**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Panama for the period 2023–2029 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$662,200, plus agency support costs of US \$46,354, for UNDP, as reflected in the schedule contained in annex LVI to the present report;
- (b) To note:
  - (i) That the Government of Panama would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (ii) That, once the cost guidelines for HFC phase-down had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligible for funding would be determined in accordance with those guidelines;
  - (iii) That the reductions from the country's remaining HFC consumption eligible for funding referred to in subparagraph (b)(ii) above would be deducted from the starting point referred to in subparagraph (b)(i) above;
  - (iv) That, upon completion of the end-user technology demonstration projects in the commercial refrigeration sector included in stage I of the KIP, UNDP would submit a final report on the implementation of the projects, including the HFC phase-out and energy-efficiency gains achieved, in line with subparagraph (g) of decision 92/36;
- (c) To note also:
  - (i) That the Government of Panama would continue to monitor its HFC consumption to understand the extent to which reported consumption in baseline years was representative of the local market's needs and to assess what future HFC demand would be, and would provide that analysis when submitting the second tranche of the KIP;
  - (ii) That, on the basis of the information provided in subparagraph (c)(i) above, the maximum allowable consumption limits for the remaining years of stage I of the KIP, as contained in Appendix 2-A to the future Agreement between the Government of Panama and the Executive Committee would be revised when the Committee considered the second tranche of the KIP;
- (d) To approve the first tranche of stage I of the KIP for Panama, and the corresponding tranche implementation plan, in the amount of US \$331,100, plus agency support costs of US \$23,177, for UNDP; and
- (e) To request the Government of Panama, UNDP and the Secretariat to finalize the draft Agreement between the Government of Panama and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/72).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex LVI).*

## Annex LVI

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR PANAMA**

**Kigali HFC implementation plan (stage I)**

<b>Row</b>	<b>Particulars</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	2,543,386	2,543,386	2,543,386	2,543,386	2,543,386	2,289,047	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	2,543,386	2,543,386	2,543,386	2,543,386	2,543,386	2,289,047	n/a
2.1	Lead IA (UNDP) agreed funding (US \$)	331,100	0	0	264,880	0	0	66,220	662,200
2.2	Support costs for Lead IA (US \$)	23,177	0	0	18,542	0	0	4,635	46,354
3.1	Total agreed funding (US \$)	331,100	0	0	264,880	0	0	66,220	662,200
3.2	Total support costs (US \$)	23,177	0	0	18,542	0	0	4,635	46,354
3.3	Total agreed costs (US \$)	354,277	0	0	283,422	0	0	70,855	708,554



**PERU**  
**KIP for Peru**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Peru for the period 2023–2029 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$628,998, plus agency support costs of US \$44,030, for UNDP, as reflected in the schedule contained in annex LVII to the present report;
- (b) To note:
  - (i) That the Government of Peru would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (ii) That, once the cost guidelines for HFC phase-down had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligible for funding would be determined in accordance with those guidelines;
  - (iii) That the reductions from the country's remaining HFC consumption eligible for funding referred to in subparagraph (b)(ii) above would be deducted from the starting point referred to in subparagraph (b)(i) above;
  - (iv) That a project to phase out HFCs contained in imported pre-blended polyols in the polyurethane foam sector in Peru would be subject to the decision taken by the Committee on whether it would fund the phase-out of HFCs contained in imported pre-blended polyols;
  - (v) That, upon completion of the end-user technology demonstration project in the commercial refrigeration sector included in stage I of the KIP, UNDP would submit a final report on the implementation of the project, including the HFC phase-out and energy-efficiency gains achieved, in line with subparagraph (g) of decision 92/36;
- (c) To note also:
  - (i) That the Government of Peru would continue to monitor its HFC consumption to understand the extent to which reported consumption in the baseline years was representative of the local market's needs and to assess what future HFC demand would be, and would provide that analysis when submitting the second tranche of its KIP;
  - (ii) That, on the basis of the information provided in subparagraph (c)(i) above, the maximum allowable consumption limits for the remaining years of stage I of the KIP, as contained in Appendix 2-A to the country's future Agreement with the Executive Committee would be revised when the Committee considered the second tranche of the KIP;
- (d) To approve the first tranche of stage I of the KIP for Peru, and the corresponding tranche implementation plan, in the amount of US \$283,140, plus agency support costs of US \$19,820, for UNDP; and
- (e) To request the Government of Peru, UNDP and the Secretariat to finalize the draft

Agreement between the Government of Peru and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/73).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex LVII).*

## Annex LVII

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR PERU**

**Kigali HFC implementation plan (stage I)**

<b>Row</b>	<b>Particulars</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	2,735,721	2,735,721	2,735,721	2,735,721	2,735,721	2,462,149	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	2,735,721	2,735,721	2,735,721	2,735,721	2,735,721	2,462,149	n/a
2.1	Lead IA (UNDP) agreed funding (US \$)	283,140	0	0	283,140	0	0	62,718	628,998
2.2	Support costs for Lead IA (US \$)	19,820	0	0	19,820	0	0	4,390	44,030
3.1	Total agreed funding (US \$)	283,140	0	0	283,140	0	0	62,718	628,998
3.2	Total support costs (US \$)	19,820	0	0	19,820	0	0	4,390	44,030
3.3	Total agreed costs (US \$)	302,960	0	0	302,960	0	0	67,108	673,028

**TRINIDAD AND TOBAGO**  
**KIP for Trinidad and Tobago**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Trinidad and Tobago for the period 2023–2029 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$1,177,695, plus agency support costs of US \$82,439, for UNDP, as reflected in the schedule contained in annex LVIII to the present report;
- (b) To note:
  - (i) That the Government of Trinidad and Tobago would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (ii) That, once the cost guidelines for HFC phase-down had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligibility for funding would be determined in line with those guidelines;
  - (iii) That the reductions from the country's remaining HFC consumption eligible for funding referred to in subparagraph (b)(ii) above would be deducted from the starting point referred to in subparagraph (b)(i) above;
- (c) To approve the first tranche of stage I of the KIP for Trinidad and Tobago, and the corresponding tranche implementation plan, in the amount of US \$543,249, plus agency support costs of US \$38,028, for UNDP; and
- (d) To request the Government of Trinidad and Tobago, UNDP and the Secretariat to finalize the draft Agreement between the Government of Trinidad and Tobago and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/74).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex LVIII).*

## Annex LVIII

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR TRINIDAD AND TOBAGO**

**Kigali HFC implementation plan (stage I)**

<b>Row</b>	<b>Particulars</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>Total</b>
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	5,681,787	5,681,787	5,681,787	5,681,787	5,681,787	5,113,608	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	5,681,787	5,681,787	5,681,787	5,681,787	5,681,787	5,113,608	n/a
2.1	Lead IA (UNDP) agreed funding (US \$)	543,249	0	0	516,677	0	0	117,769	1,177,695
2.2	Support costs for Lead IA (US \$)	38,028	0	0	36,167	0	0	8,244	82,439
3.1	Total agreed funding (US \$)	543,249	0	0	516,677	0	0	117,769	1,177,695
3.2	Total support costs (US \$)	38,028	0	0	36,167	0	0	8,244	82,439
3.3	Total agreed costs (US \$)	581,277	0	0	552,844	0	0	126,013	1,260,134

**TURKMENISTAN**  
**KIP for Turkmenistan**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Turkmenistan for the period 2023–2029 to reduce, by 2029, HFC consumption by 10 per cent of the country's baseline, in the amount of US \$325,000, plus agency support costs of US \$42,250 for UNIDO, as reflected in the schedule contained in annex LIX to the present report;
- (b) To note that, if the HFC consumption level for Turkmenistan in any of the years 2024 to 2025 was above the Montreal Protocol control limits or the maximum allowable consumption in the future Agreement between the Government of Turkmenistan and the Executive Committee, on the understanding that Government of Turkmenistan would continue to make every effort to meet those control limits, the Secretariat would inform and seek guidance from the Executive Committee on the procedure to follow in light of decision XXXV/16;
- (c) To approve the first tranche of stage I of the KIP for Turkmenistan, and the corresponding tranche implementation plan, in the amount of US \$116,000, plus agency support costs of US \$15,080, for UNIDO; and
- (d) To request the Government of Turkmenistan, UNIDO and the Secretariat to finalize the draft Agreement between the Government of Turkmenistan and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.

*(UNEP/OzL.Pro/ExCom/93/105, Decision 93/75).*

*(Supporting document: UNEP/OzL.Pro/ExCom/93/105, Annex LVIX).*

## Annex LIX

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR TURKMENISTAN**

**Kigali HFC implementation plan (stage I)**

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)*	n/a	597,121	597,121	597,121	597,121	597,121	537,409	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	597,121	597,121	597,121	597,121	597,121	537,409	n/a
2.1	Lead IA (UNIDO) agreed funding (US \$)	116,000	0	0	141,000	0	0	68,000	325,000
2.2	Support costs for Lead IA (US \$)	15,080	0	0	18,330	0	0	8,840	42,250
3.1	Total agreed funding (US \$)	116,000	0	0	141,000	0	0	68,000	325,000
3.2	Total support costs (US \$)	15,080	0	0	18,330	0	0	8,840	42,250
3.3	Total agreed costs (US \$)	131,080	0	0	159,330	0	0	76,840	367,250

\* Stage II of the HPMP has an established target up to 2025.

**VIET NAM**  
**KIP for Viet Nam**

The Ninety-third Meeting of the Executive Committee decided:

- (a) To approve, in principle, stage I of the Kigali HFC implementation plan (KIP) for Viet Nam for the period 2023–2029 to reduce, by 2029, HFC consumption by 10 per cent of the country's established baseline, in the amount of US \$5,029,063, consisting of US \$3,593,183, plus agency support costs of US \$251,522, for the World Bank and US \$1,057,980, plus agency support costs of US \$126,378, for UNEP, as reflected in the schedule contained in annex LX to the present report;
- (b) To note:
  - (i) That the Government of Viet Nam would establish its starting point for sustained aggregate reductions in HFC consumption on the basis of guidance provided by the Executive Committee;
  - (ii) That, once the cost guidelines for HFC phase-down had been agreed by the Executive Committee, the reductions from the country's remaining HFC consumption eligible for funding would be determined in accordance with those guidelines;
  - (iii) That the reductions from the country's remaining HFC consumption eligible for funding referred to in subparagraph (b)(ii) above would be deducted from the starting point referred to in subparagraph (b)(i) above;
  - (iv) The commitment of the Government of Viet Nam to issue a ban on the use of HFC-23 in new installations of fire-suppression systems by 1 January 2025; on the manufacturing and import of stand-alone commercial refrigeration and domestic refrigeration equipment using HFCs by 1 January 2029; on the manufacturing and import of mobile air-conditioning systems using R-407C by 1 January 2029; and on the manufacturing and import of residential air-conditioning units and heat pumps below 60,000 British thermal units/hour using R-410A and R-417A by 1 January 2029;
  - (v) That, upon completion of the end-user technology demonstration project included in stage I of the KIP, the World Bank would submit a final report on the implementation of the project, including the HFC phase-out and, if available, energy-efficiency gains achieved, in line with subparagraph (g) of decision 92/36;
- (c) To note also that the Government of Viet Nam would continue to monitor its HFC consumption to understand HFC demand in future years and would provide that analysis when submitting future tranches of its KIP;
- (d) To approve the first tranche of stage I of the KIP for Viet Nam, and the corresponding tranche implementation plan, in the amount of US \$2,183,683, consisting of US \$1,557,792, plus agency support costs of US \$109,045, for the World Bank and US \$461,696, plus agency support costs of US \$55,150, for UNEP; and
- (e) To request the Government of Viet Nam, the World Bank, UNEP and the Secretariat to finalize the draft Agreement between the Government of Viet Nam and the Executive Committee for the reduction in consumption of HFCs, including the information contained in the annex referred to in subparagraph (a) above, and to submit it to a future meeting once the KIP Agreement template had been approved by the Executive Committee.



## Annex LX

**SCHEDULE OF HFC PHASE-DOWN COMMITMENTS AND FUNDING TRANCHES  
UNDER THE KIGALI HFC IMPLEMENTATION PLAN FOR VIET NAM**

## Kigali HFC implementation plan (stage I)

Row	Particulars	2023	2024	2025	2026	2027	2028	2029	Total
1.1	Montreal Protocol reduction schedule of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	13,991,360	13,991,360	13,991,360	13,991,360	13,991,360	12,592,224	n/a
1.2	Maximum allowable total consumption of Annex F substances (CO <sub>2</sub> -eq tonnes)	n/a	13,991,360	13,991,360	13,991,360	13,991,360	13,991,360	12,592,224	n/a
2.1	Lead IA (the World Bank) agreed funding (US \$)	1,557,792	0	0	1,513,187	0	0	522,204	3,593,183
2.2	Support costs for Lead IA (US \$)	109,045	0	0	105,923	0	0	36,554	251,522
2.3	Cooperating IA (UNEP) agreed funding (US \$)	461,696	0	0	440,301	0	0	155,983	1,057,980
2.4	Support costs for Cooperating IA (US \$)	55,150	0	0	52,595	0	0	18,633	126,378
3.1	Total agreed funding (US \$)	2,019,488	0	0	1,953,488	0	0	678,187	4,651,163
3.2	Total support costs (US \$)	164,195	0	0	158,518	0	0	55,187	377,900
3.3	Total agreed costs (US \$)	2,183,683	0	0	2,112,006	0	0	733,374	5,029,063