Draft decision XXIX/[E]: Issues related to financial and technical support for energy efficiency in countries operating under paragraph 1 of Article 5

Submission by India, Bahrain, Kuwait, Lebanon, Saudi Arabia and the African Group

*The Twenty-Ninth Meeting of the Parties decides:*

*Recalling* decision XXVIII/2, which inter alia mentions development of cost guidance associated with maintaining and/or enhancing the energy efficiency of low global warming potential (GWP) or zero-GWP replacement technologies and equipment, when phasing down hydrofluorocarbons, while taking note of the role of other institutions addressing energy efficiency, when appropriate,

*Recognizing* the need to maintain and/or enhance energy efficiency while transitioning away from high-GWP hydrofluorocarbons to low-GWP alternatives in the refrigeration, air conditioning and heat pump sectors,

*Noting* that the use of air-conditioning and refrigeration is growing in countries operating under paragraph 1 of Article 5,

*Recognizing* that the impact of maintaining and/or enhancing energy efficiency would have a significantly higher impact on climate than only the reduction due to phase-down of high-GWP hydrofluorocarbons under the Montreal Protocol,

1. To request the Technology and Economic Assessment Panel to assess the technology and funding requirements of the parties operating under paragraph 1 of Article 5 to maintain and/or enhance energy efficiency in the refrigeration and air-conditioning and heat-pump sectors while phasing down hydrofluorocarbons under the Kigali Amendment to the Montreal Protocol, as well as to develop scenarios, and to also assess capacity‑building and servicing sector requirements in the refrigeration and air-conditioning and heat-pump sectors;

**ALT 1.** To request the Technology and Economic Assessment Panel in relation to maintaining and/or enhancing energy efficiency in the refrigeration and air-conditioning and heat-pump sectors whilephasing down hydrofluorocarbons under the Kigali Amendment to the Montreal Protocol in parties operating under paragraph 1 of Article 5, to assess the following items:

1. technology ~~requirements [~~**options][requirements]**, **including on barriers for the uptake [and the long-term viability] [and environmental benefits in terms of CO2 eq] of those technologies;**
2. **[environmental [benefits] [and sustainable potential][and sustainable technologies] of maintaining and/or enhancing energy efficiency of low-GWP or zero-GWP [replacement technologies and] equipment, while phasing down hydrofluorocarbons**;]
3. capacity building and servicing sector [needs][requirements] in the refrigeration and air-conditioning and heat-pump sectors;
4. **related costs [including [incremental] capital and operating costs], cost savings and other co-benefits;**
5. [related funding ~~requirements~~ [requirements][**impacts]]**

[To request the TEAP to describe specific technology opportunities to maintain or enhance energy efficiency for a few categories of equipment within the RACHP sectors, including in the servicing of such equipment, and, to the extent possible, provide estimates of the costs and benefits associated with these opportunities;]

2. To assess the elements of incremental capital and operating costs for maintaining and/or enhancing energy efficiency on transitioning to low-GWP alternatives from high-GWP hydrofluorocarbons, drawing on international experience;

[2 bis To further request the TEAP to provide an overview of the activities and funding provided by other relevant institutions, as well as definitions, criteria and methodologies used in addressing energy efficiency in the RACHP sectors in relation to maintaining and/or enhancing energy efficiency in the RACHP sectors while phasing down hydrofluorocarbons under the Kigali Amendment to the Montreal Protocol, as well as those related to low- and zero-GWP HFC alternatives including on different financing modalities;]

[To request the TEAP to quantify, to the extent possible, energy efficiency gains and losses [versus costs when transitioning to low-GWP alternatives to HFCs] from past refrigerant transitions undertaken to implement Montreal Protocol obligations;]

3. To request the Technology and Economic Assessment Panel to [prepare a final report for consideration by the Open-ended Working Group at its fortieth meeting, and thereafter an updated final report to be submitted to the Thirtieth Meeting of the Parties to the Protocol on Substances that Deplete the Ozone Layer in 2018] [submit the report by the fortieth meeting of the Open-ended Working Group, to be held in 2018], [and to provide annual updates subsequently];

4. To request the Ozone Secretariat to organize a workshop on energy efficiency opportunities while phasing-down hydrofluorocarbons at the fortieth meeting of the Open-ended Working Group.]