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执行蒙特利尔议定书
多边基金执行委员会
第八十四次会议
2019年12月16日至20日，蒙特利尔

评价维修行业能源效率的案头研究的进度报告

1. 执行委员会第八十三次会议核准了附于本文件附件一的评价维修行业能源效率的案头研究的工作范围（TOR）¹。这项案头研究，除其他外，将分析以下各项问题：“制定制冷剂 and 能源效率的规范和标准，以便有利于在制冷和空调（RAC）行业采用低全球升温潜能值（GWP）技术；提高第5条国家的能源效率；以及当地努力衡量示范项目以外的能源效率变化”。
2. 鉴于进行评价维修行业能源效率的案头研究面临的挑战²以及需要给予足够时间收集信息和数据，执行委员会在核准工作范围（TOR）时，还决定这项案头研究将提交给第八十六次会议并要求高级监测和评价干事向第八十四次会议提交有关案头研究的最新进展状况（第83/9号决定（b）和（c））。根据第83/9号决定（c）的规定，本文件提供了在编制案头研究方面取得的进展。
3. 时至今日，已经确定了一名在审查多边基金供资的维修行业项目方面具有广泛知识和经验以及具有能源效率技术专业的顾问。编制了与能源效率有关的文件清单，包括以前的评价报告、项目文件、进度报告和项目完成报告。这份清单作为本文件的附件二提交。此外，还编制了执行委员会、双边和执行机构以及技术和经济评估小组提交的有关工作范围的文件。该顾问将分析这些文件并在向第八十六次会议提交的案头研究中提出分析结果，执行委员会将根据这项分析结果决定第二阶段评价工作的进行方式。

建议

4. 谨建议执行委员会注意到 UNEP/OzL.Pro/ExCom/84/14 号文件所载关于评价维修行业能源效率的案头研究的进度报告。

¹ UNEP/OzL.Pro/ExCom/83/10/Rev.1。

² UNEP/OzL.Pro/ExCom/83/10/Rev.1 号文件第7段至第9段。

Annex I

TERMS OF REFERENCE FOR THE DESK STUDY FOR THE EVALUATION OF THE ENERGY EFFICIENCY IN THE SERVICING SECTOR

Objectives of the desk study

1. The objective of the desk study will be to identify and assess, to the extent possible, best practices, lessons learned and additional opportunities for maintaining energy efficiency in the servicing sector.
2. As there are no specific programmes focused on energy efficiency, the desk study will review previously funded projects to identify energy efficiency related activities in the servicing sector, and their applications in policies and regulations at the country level. Based on the information that will be gathered, the desk study will make suggestions to assist the Executive Committee in considering whether to proceed with further evaluation at the country level.

Scope and methodology

3. The desk study will gather information from the available documents on this topic, including previous evaluations, project documents, progress reports, verification reports and project completion reports to catalogue the energy efficiency activities already undertaken in the servicing sector.

Organization of the evaluation

4. A consultant will be recruited to prepare the desk study to be presented at the 86th meeting. Information provided to the Executive Committee will include information on where the project occurred, a brief description of the activity and type of equipment (if relevant), and any lessons learned from the project. As much as possible, reliable quantitative information will be collected together with qualitative information. Discussions with the Secretariat staff, bilateral and implementing agencies, and National Ozone Units will be organized, as needed.

Annex II

LIST OF DOCUMENTS ON ISSUES RELATING TO ENERGY EFFICIENCY

Document number/source	Title
Executive Committee documents	
UNEP/OzL.Pro/ExCom/70/53/Rev.1	Discussion paper on minimizing adverse climate impact of HCFC phase-out in the refrigeration servicing sector (decision 68/11)
UNEP/OzL.Pro/ExCom/77/9	Final report on the evaluation of HCFC phase-out projects in the refrigeration and air-conditioning manufacturing sector
UNEP/OzL.Pro/ExCom/77/70/Rev.1	Issues relevant to the Executive Committee arising from the Twenty-eighth Meeting of the Parties to the Montreal Protocol
UNEP/OzL.Pro/ExCom/80/9	Final report on the evaluation of chiller projects with co-funding modalities
UNEP/OzL.Pro/ExCom/82/11	Final report of the evaluation of the refrigeration servicing sector
UNEP/OzL.Pro/ExCom/82/64	Preliminary document on all aspects related to the refrigeration servicing sector that support the HFC phase-down (decision 80/76(c))
UNEP/OzL.Pro/ExCom/82/65 and Add.1	Summary of the Parties' deliberations at the 40 th Meeting of the Open-Ended Working Group and the Thirtieth Meeting of the Parties to the Montreal Protocol in relation to the Technology and Economic Assessment Panel's report on issues related to energy efficiency (decision 81/67(b))
UNEP/OzL.Pro/ExCom/83/40 and UNEP/OzL.Pro/ExCom/84/49	Paper on ways to operationalize paragraph 16 of decision XXVIII/2 and paragraph 2 of decision XXX/5 of the Parties
UNEP/OzL.Pro/ExCom/83/41 and UNEP/OzL.Pro/ExCom/84/50	Paper on information on relevant funds and financial institutions mobilizing resources for energy efficiency that may be utilized when phasing down HFCs
UNEP/OzL.Pro/ExCom/83/42 and UNEP/OzL.Pro/ExCom/84/51	Summary of the report by the Technology and Economic Assessment Panel on matters related to energy efficiency with regard to the issues identified in decision 82/83(e)
Bilateral and implementing agencies	
GIZ - presentation on energy efficiency at the meeting of the 41 st Open-ended working group of the Parties to the Montreal Protocol	Energy efficiency in servicing. Impacts of HPMP training and future potential (2019)
UNEP	Briefing note A: The importance of energy efficiency in the refrigeration, air-conditioning and heat-pump sectors (2018)
Technology and Economic Assessment Panel reports	
Report of the UNEP Technology and Economic Assessment Panel September 2018 Volume 5	Decision XXIX/10 Task Force report on issues related to energy efficiency while phasing down hydrofluorocarbons
Report of the Technology and Economic Assessment Panel May 2019 Volume 4	Decision XXX/5 Task Force report on cost and availability of low-GWP technologies/equipment that maintain/enhance energy efficiency