

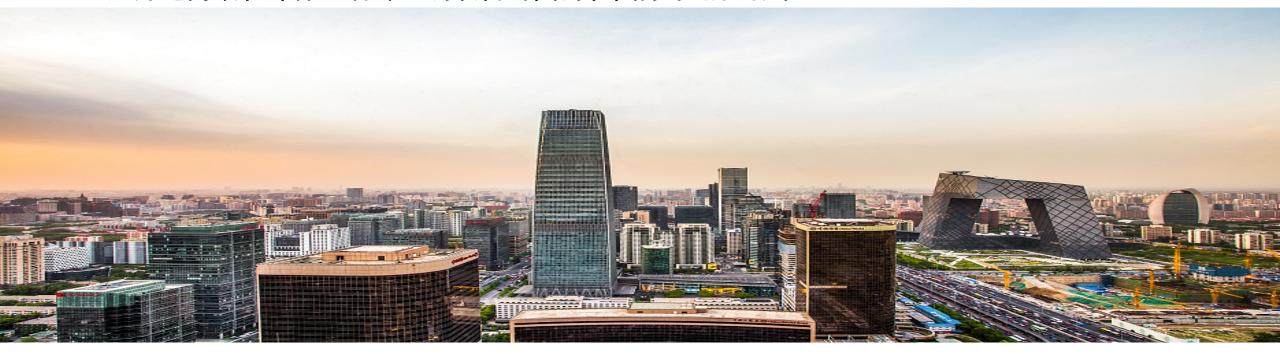
中国制冷能效项目·II期 项目战略及2020工作计划

能源基金会 2019年12月21日

中国制冷能效项目

中国制冷能效项目旨在支持提高制冷能效,支持实现国家节能减排目标,以及空气质量提高和高质量发展等多方协同效益。项目预期的主要目标包括:

- 支持研究、发布和实施国家绿色高效制冷行动方案
- 为国家十四五规划、中国的国家自主贡献、《巴黎气候变化协定》和《蒙特利尔议定书》的履 约提供支撑
- 支持制定和实施国际领先的制冷空调设备能效标准
- 提升超高效和环保型制冷空调设备的国内和国际市场占有率





中国制冷能效项目: 二期





China Cooling Efficiency Project

中国制冷能效项目



Technical Steering Committee

技术指导委员会

Working Group 1: Policy

政策工作组

Working Group 2: Standards

标准工作组

Working Group 3:
Market Transformation
市场转型工作组

项目二期实施重点领域

- 一、制定和实施国际领先的制冷和空调产品能效标准 Develop world's leading EE standards for China's cooling equipment
 - 2 二、推动绿色高效空调产品的出口 Improve EE for export AC product
 - 三、促进制冷系统节能改造和模式创新 Increase financial flows to support market transition to low-GWP, EE cooling equipment
 - 4 四、推动HFCs的削减 Reduce HFCs consumption
 - 五、支持绿色高效制冷政策及国际合作 Integrate low-GWP, EE cooling into national policy framework

一、制定和实施国际领先的制冷和空调产品能效标准 Develop world's leading EE standards for China's AC equipment

预期成果

- 支持主要制冷和空调产品标准的制定和修订工作,提升产品的能效水平
- 推动空调产品的市场转型

- develop and revise standards for major cooling products, improve EE level of major cooling products
- support market transition to EE AC product

一、制定和实施国际领先的制冷和空调产品能效标准

Develop world's leading EE standards for China's Cooling equipment

2020年计划的主要活动

Activities planned for year 2020

- 1. 完成修订多联机能效标准,进一步提升多联机的能效 Complete Revision of VRF MEPS to improve its EE level
- 2. 进一步分析制冷空调领域主要产品的能效提升和温室气体减排潜力,为政策和标准制定提供依据 Assess the most important next MEPS to develop/revise to achieve prominent energy efficiency improvement and GHG mitigation
 - 3. 开展冷柜的技术研究和能效提升技术路径分析 Conduct analysis on freezer technologies and potential for EE improvement
- 4. 结合和支持全国节能宣传周、制冷展,宣传推广高效制冷产品 Public education and awareness-raising for green and EE cooling products
- 5. 支持国内大型零售平台、经销商、企业开展空调市场转型活动,提升绿色高效制冷产品的市场占有率 Promote market penetration of green cooling products through big retailers and enterprises by "old for green" program

二、推动绿色高效空调产品的出口 Improve EE for export AC product

预期成果

- 提高绿色高效空调产品的出口份额
- 支持家用空调产品主要出口目的国能效政策以及标准制定和实施能力

- Increase the share of green and efficient cooling products in exported ACs
- Assist major ACs import countries to improve their ability to develop and implement cooling policies and ACs standards

二、推动绿色高效空调产品的出口 Improve EE for export AC product

2020年计划的主要活动

Activities planned for year 2020

1. 开展家用空调出口产品能效概况和分析

Conduct analysis on export AC products and related EE information

2. 组织与主要出口目的国的绿色高效制冷政策和技术交流与考察

Study tour organized to support China's high-level bilateral and multilateral dialogues in ASEAN, South American, and African countries

3. 支持UNEP能效标准指南(U4E)在一带一路国家的推广和运用

Support U4E model regulations applied in BRI countries

三、促进制冷系统节能改造和模式创新

Increase financial flows to support market transition to low-GWP, EE cooling equipment

预期成果

- 开展节能改造试点示范
- 推动公共机构高效制冷倡议的实施
- 创新商业模式和融资机制(制冷服务、超级绩效合同等)

- Cooling energy-conservation retrofit pilots under the GCAP
- Public Institution Cooling Efficiency Initiative
- Experiment innovative business models and financing mechanisms with a goal to scale up the cooling retrofits

三、促进制冷系统节能改造和模式创新

Increase financial flows to support market transition to low-GWP, EE cooling equipment

2020年计划的主要活动

Activities planned for year 2020

1. 研究重点领域的改造潜力和机会

Scoping paper on EE of space cooling and cold chain, etc

2. 选择和支持典型试点示范项目

Provide technical assistance to public institution and selected cooling retrofit pilots

3. 支持公共机构制冷能效提升

implementation guidelines including MRV for the retrofits

四、推动HFCs的削减 Reduce HFCs consumption

预期成果

- 为HFCs管控和减排提供技术支持
- 支持制冷领域HFCs的替代选择方案,推进制冷剂转型

- Provide technical support to HFCs control and phase-down
- Support the roadmap development for China F-gas technology alternatives, and support the transition to climate-friendly refrigerants

四、推动HFCs的削减 Reduce HFCs consumption

2020年计划的主要活动

Activities planned for year 2020

1. 支持HFCs减排优先领域研究

Analyze potential priority areas for HFCs reduction

2. 支持制冷领域HFCs替代技术和替代品研究和分析

Research on HFCs technology alternatives in the cooling sector

3. 汽车空调能效、含氟气体减排潜力及相关排放标准研究

Research on MAC EE, emission reduction potential and emission standard

4. 将GWP信息纳入能效标识

Develop implantation plan on GWP Information disclosure on EE labels

五、支持绿色高效制冷政策及国际合作

Integrate low-GWP, EE cooling into national policy framework

预期成果

- 协助推动中国政府高级别政策对话
- 促进有关制冷政策和标准的双边和多边对话

- Assist Chinese government to host high-level policy dialogues on green cooling
- Stimulate bi-lateral and multi-lateral communication on cooling policy and standard

五、支持绿色高效制冷政策及国际合作 Integrate low-GWP, EE cooling into national policy framework

2020年计划的主要活动

Activities planned for year 2020

1. 开展中印、中法、中墨等的双边政策和技术交流

Bi-lateral policy and technical dialogues with India, France, Mexico, etc

2. 开展与IEA、CEM、UNEP等国际机构的多边政策交流

Multi-lateral exchanges with IEA, CEM, UNEP, etc.

Thank you!





SUSTAINABLE ENERGY, PROSPEROUS FUTURE

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