

ARS PROJECTS 001, 001B, 001C, 002, 002B, 002C,003, 003B, 003C

ACR#: 479, 526, 527, 480, 528, 529, 481, 530, 531

NET POSITIVE COMMUNITY AND ENVIRONMENTAL IMPACTS

The potential impacts on the local community and the environment were considered in accordance with Chapter 8 of The American Carbon Registry Standard. Positive community impacts from the Project include the reduction of GHG emissions from refrigerator manufacturing and operation, both at the local level (near the manufacturing facilities) and globally (including developed and developing countries). There were no foreseeable negative impacts to the community or the environment that result from this project.

The Project meets and fulfills the applicable sustainable development goals as articulated by the UN Department of Economic and Social Affairs, in #Envision2030. These goals, as well as additional explanations for each, may be reviewed at the following link: <https://sdgs.un.org/goals>. In assessing whether these goals were satisfied, the specific targets were reviewed for each goal and are discussed below.

Goal #9 of the UN Sustainable Development Goals is entitled Industry, Innovation, and Infrastructure and seeks to build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation. More specifically, Target 9.4 is satisfied as this project upgrades infrastructure and retrofits industries. The result is that this project makes the manufacturing and operation process more sustainable with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies. In accordance with Target 9.a, the technology can be used in developing countries since it uses existing technologies with only small adjustments to manufacturing techniques required. This aligns with Target 9.a's effort to facilitate sustainable and resilient infrastructure in developing countries through technological development.

Goal #12 of the UN Sustainable Development Goals is entitled Responsible Consumption and Production and seeks to ensure sustainable consumption and production patterns. This goal is met because the Project produces virtually no waste in the manufacturing process and involves a closed loop manufacturing process with virtually no releases to the environment, to produce the insulated product. As such, this Project is aligned with Target 12.2, 12.4, and 12.5 under Goal #12. These targets seek to achieve sustainable management through the efficient use of natural resources, achieve sound management of chemicals throughout their life cycle, and substantially reduce waste generation through prevention, reduction, recycling, and reuse.

Goal #13 of the UN Sustainable Development Goals is entitled Climate Action and seeks urgent action to combat climate change and its impacts. This goal is met because the propane refrigerant being used in the project was applied to anticipate and meet climate goals and is continuing to be refined and its use expanded, including to manufacturing in developing countries. Target 13.b is met by this project for its capacity to promote mechanisms for raising capacity for effective climate change-related planning and management in development countries.