Emission Offset - Airport Carbon Accreditation 2022

In 2022, ADR purchased the necessary credits to cover the emissions generated by the two Roman airports, totaling 56,633 tons of CO_2 (based on the conversion: 1 tCO2eq = 1 carbon credit), through the following three projects:

1. African Biomass Energy Conservation POA Malawi Biomass Conservation

Offset programme: Gold Standard
Credit: 17.400
Short project description: the small-scale voluntary project activity (VPA), over an initial 7 year period, aims to disseminate over 60,000 improved cookstoves (i.e. the technology) that are more efficient and use less wood for household cooking and heating than the traditional stoves; and to promote improved kitchen and firewood management practices e.g. use of less firewood, use of dry firewood, using a pot lid while cooking and soaking legumes before cooking (i.e. practices) to households in the Northern, Central and Southern Districts of Malawi. The improved technology and practices are intended to replace less efficient technologies and practices and result in biomass conservation and a reduction of greenhouse gas emissions into the atmosphere from the burning of solid biomass.
Identification number: 2447
Methodology/Certification standard: GS TPDDTEC v 1. / Gold Standard for the Global Goals
Web link: https://registry.goldstandard.org/projects/details/360

2. Gansu Yongdeng Longlin Hydro Power Project

Offset programme: Verra
Credit: 29.599
Short project description: Gansu Yongdeng Longlin Hydro Power Project is located in Yongdeng Country, Lanzhou City in Gansu Province, China. The Project activity is a new run-of-river hydropower project with two cascade power stations, each of which has installed capacity of 6.4MW (2 x 3.2 MW). The total installed capacity of the Project activity is 12.8MW .The expected annual electricity generation is 58,969MWh and the net electricity supply is 55,204 MWh. All the electricity will be transmitted to Northwest China Power Grid (NWPG) which is dominated by fossil fuel-fired power plants, and thus greenhouse gas (GHG) emission reductions can be achieved. The average annual estimated GHG emission reductions are 46,440tCO2e.
Identification number: 1196
Methodology/Certification standard: AMS-I.D. /VCS
Web link: https://registry.verra.org/app/projectDetail/VCS/1196

3. Anhui Guzhen Biomass Generation Project – Biomass
Offset programme: Verra

Credit: 9.634

Short project description: The Anhui Guzhen Biomass facility in China utilizes biomass combustion technology to generate clean electricity and produce carbon credits according to the methodology ACM0006. By displacing fossil fuel-based power generation with agricultural waste, the initiative reduces greenhouse gas emissions and promotes sustainable waste management practices while fostering social benefits such as job creation and improved air quality. The project's additionality is demonstrated by its reliance on carbon credit incentives to overcome barriers and achieve emission reductions beyond business-as-usual scenarios, highlighting its potential for replication and scalability globally.

Identification number: 1121

Methodology/Certification standard: ACM0018 / VCS

Web link: https://registry.verra.org/app/projectDetail/VCS/1121