

2023 Global Aerospace Carbon Offsetting Program

India Renewables - Wind



Location

India

Project Type

Renewable Energy

Standard

Verified Carbon Standard

Project ID/Methodology

VCS 1521/AMS ID

UN SDG

- 7 Affordable and clean energy
- 8 Decent work and economic growth
- 13 Climate action

Description

The purpose of the project activity is to generate power using renewable energy source (wind) for the purpose of captive utility. The project activity generates electricity using wind potential and converts it into kinetic energy using Wind turbines, which drives the alternators to generate energy. The generated electricity is exported to the regional grid system which is under the purview of the Southern grid of India. The proposed project activity involves the installation of Wind Power Projects.

Additional Co-Benefits

Contributing the economic development of the region by providing sustainable energy resources, increasing the income and local standard of living by providing job opportunities for the local people and production of other equipment in India will indirectly cause the know-how transfer and empower the local industry.



2023 Global Aerospace Carbon Offsetting Program

ASCEND



Location

United States of America

Project Type

Adipic Acid, N2O Abatement

Standard

Climate Action Reserve

Project ID/Methodology

The Adipic Acid Production Protocol v1

UN SDG

- 9 Industry, innovation and infrastructure
- 12 Responsible consumption and production
- 13 Climate action

Description

Ascend, the largest fully integrated producer of nylon 6 6 resin, has developed a proprietary technology that captures and converts N2O emissions, with a global warming potential 298 times more than CO2 into usable nitrogen and oxygen. The new technology will be utilized at Ascend's facility in Cantonment, Florida, and will capture emissions from the production of adipic acid, a building block of nylon 6 6 Carbon equivalent emissions will be reduced by up to 9 million metric tonnes per year, and the resulting nitrogen and oxygen will be converted into nitric acid, a primary feedstock for adipic acid.

Additional Co-Benefits

Adipic acid is a high production volume chemical that is used to make a variety of products, including aviation as well as household and industrial solvents, lubricants, nylon 6 6 dishwashing tablets, food flavors, glass protectant, resins and plasticizers, and more Annually, approximately 57 billion pounds of adipic acid are produced worldwide.



2023 Global Aerospace Carbon Offsetting Program

Mass Tri Cities



Location

United States of America

Project Type

Forest Management

Standard

American Carbon Registry

Project ID

ACR376

UN SDG

6 Clean water and sanitation

13 Climate action

15 Life on land

Description

Three cities in Massachusetts—Holyoke, Westfield ,and WestSpringfield—have launched a joint improved forest management project. 17,000 acres of public forest in central Massachusetts. Located in lower Connecticut River Valley that manage water shed services. The area is challenged financially and the carbon credits allow the areas to protect the forest without resorting to aggressive timber harvesting. The forest achieved Forest Stewardship Certification.

Additional Co-Benefits

Humans, wildlife, and the forest are prospering together. Co-benefits such as protection of the Connecticut river valley and maintaining these filters for better water. Habitat protection many mammals such as the mountain laurel and rhodora.

