meetyoo:
Updated Project Descriptions

Last Updated: 19.05.2022

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Frontier Projects

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Frontier Removal

Nordgau Carbon Biochar – Germany

Description:
Nordgau Carbon is a privately owned biochar producer located in the village of Wernberg-Köblitz in South-Eastern Germany. Production commenced in April 2020 using untreated wood chips from local PEFC-certified forestry operations. Nordgau's high-quality biochar contains 89% carbon. Each metric ton of sequesters 2,8 tons of CO2 for centuries. Their biochar enables the responsible farmer to make an essential contribution to climate and environmental protection. Puro.earth and the EBC use the O/C value, 0.4, as an upper threshold, which indicates a half-life of 500 years, therefore long duration of sequestration. Nordgau Carbon produces biochar for mixing with manure or compost for use as a soil improvement medium. They are certified by the EBC (European Biochar Certification). Nordgau Carbon holds the European certificate of sustainably produced biochar (EBC). All upstream emissions from harvesting, transport and production have been accounted for in the Life Cycle Assessment (LCA) which determines the net CO2 capture of each ton of biochar.

Price:
150 € per Ton

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Forestation Removal

Living Carbon Georgia Bioengineered Reforestation

Description:
Planting genetically enhanced trees that capture up to 150% more CO2 per acre on abandoned, underperforming timberland. This project was developed according to the Verra Verified Carbon Standard (VCS) ARR methodology and entails planting Photosynthesis-Enhanced Hybrid Poplar, a unique variety developed by Living Carbon to capture additional carbon. These trees use improved photosynthesis and have been studied in Living Carbon's greenhouse and shown to accumulate up to 53% more biomass in a paper shared by the company's team. Along with the goal of carbon removal, this project will convert marginally productive land into a productive one without taxing the ecosystem. An active research site, the project facilitates ongoing research to improve the carbon capture and storage durability of nature-based solutions. Living Carbon's mission is to responsibly remove carbon dioxide from the atmosphere using the inherent power of plants. It has developed a photosynthesis enhancement trait to increase trees' growth and carbon sequestration rate.

Price:
43.7 € per Ton

Traditional Projects

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Infrastructure Avoidance

Salto Pilão Hydroelectric Plant

Description:
Generating hydroelectric power in Brazil using a low-impact plant with a small reservoir that has a smaller environmental footprint than large hydroelectric plants. The Salto Pilão Hydropower Plant Project consists of a run-of-river hydropower plant with a small reservoir of 0.15 square kilometers and an installed capacity of 191.88 MW. The plant is located between the cities of Lontras, Ibirama, and Apiúna in the state of Santa Catarina, South Region of Brazil. Salto Pilão hydropower plant (Portuguese: Usina Hidrelétrica Salto Pilão, UHESP) is owned by an association of several companies called Consórcio Empresarial Salto Pilão. The primary objective of the UHESP is to help meet Brazil's rising demand for energy due to rapid economic growth and to improve the supply of electricity while contributing to environmental, social, and economic sustainability. In the absence of the project, electricity would be generated by the operation of grid-connected power plants, including fossil fuel power plants and hydropower plants with large reservoirs.

Price:
10 € per Ton

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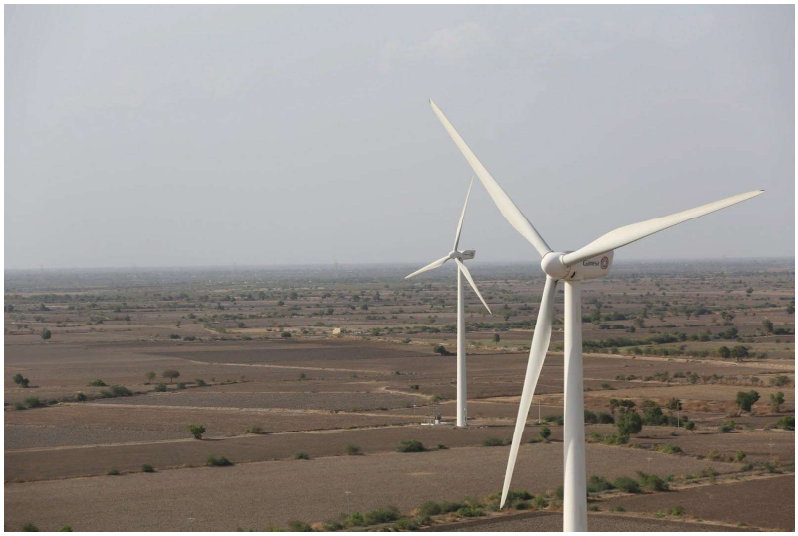
Infrastructure Avoidance

Gujarat State Wind Farm

Description:
Generating wind energy in a country whose grid is dominated by fossil fuels. The project consists of the installation of 12 Wind Energy Convertors (WECs) of installed capacity of 800 KW each with a total generating capacity of 9.6 MW. Their locations are in Jamnagar & Rajkot districts of Gujarat state of India. The main purpose of the project is to generate electrical energy through sustainable means using wind power resources, to utilize the generated output for supply to Gujarat Electricity Distribution Authority i.e. Gujarat Electricity Transmission Corporation Limited (GETCO) and to contribute to climate change mitigation efforts. The renewable energy produced is partially contributing to the electricity provided by the Gujarat Electricity Transmission Corporation Limited (GETCO).

Method: Turbines are spinning and capturing wind to generate electricity, displacing fossil fuel-based energy.

Price:
7.6 € per Ton



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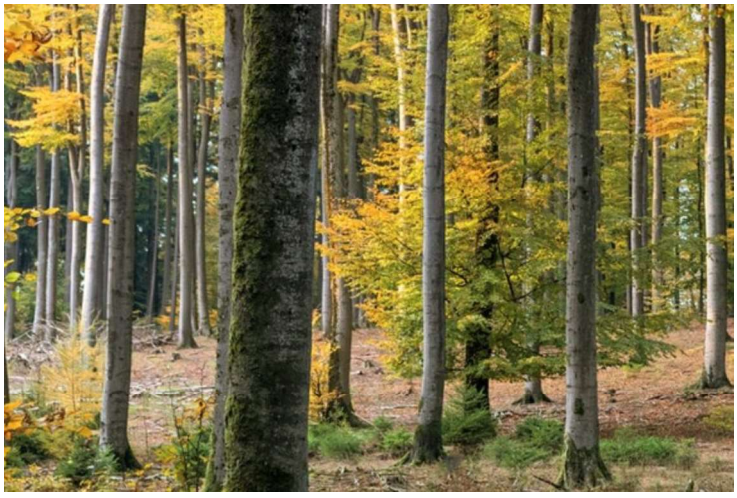
Traditional Avoidance

Big River & Salmon Creek Forest Protection

Description:
Protecting over 15,000 acres of forest in California. The Big River and Salmon Creek forests are located in are owned and managed by The Conservation Fund (TCF). TCF is a non-profit land conservation organization whose mission is to protect and conserve land in the USA and also to promote and sustain rural economies. Big River is 11,707 acres and Salmon Creeks is 4,204 acres for a total of 15,911 acres for the project. A richly productive ecosystem supports significant wildlife, including many imperiled species such as coho salmon, steelhead trout, and northern spotted owls. From the turn of the century to the project start date, the forests were heavily managed for timber production that removed almost all of the old growth and damaged streams with ground-based harvesting practices. The average ages of measured project site trees within the different watersheds range from 38 to 58 years old. The project is credited for carbon sequestration in biomass under California's Compliance Offset Program, and the forestlands are certified under both the Forest Stewardship Council and the Sustainable Forestry Initiative for sustainable long-term harvesting practices.



Price:
25.5 € per Ton

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Infrastructure Avoidance

Hernando County Landfill Gas Capture

Description:
Capturing potent methane gas from a landfill in Florida via underground gas wells and converting it into energy.

This landfill methane-capture project in Florida extracts methane and CO2 from the site and destroys them in a flare, eliminating greenhouse gas emission for the site.

Method:
Capturing methane gas released by landfills using a series of buried pipes and processing equipment.

Price:
16 € per Ton