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Voluntary Carbon Market Disclosures for CA Bill AB 1305

March 29, 2024 - May 31, 2026

Istanbul Landfill Gas to Electricity

Project Details

Activity Types	Landfill Gas Capture
Impact Type	Avoided Emissions
Oxford Category	Technology-based Reductions
Developer	Ortadoğu Enerji
Methodology	ACM0001
Crediting Period	2009 - 2023
Purchased From	CNaught Inc.
Registry	Gold Standard (GS 707)
Verifying Body	RINA Services S.p.A.

Credits by Vintage

Project Description

This project supports collection of landfill gas and generation of more than 51MW of electricity at the Odayeri and Komurcuoda landfill sites near Istanbul in Turkey. Like most landfills, these sites throw off methane as some of the waste decomposes. Credits are generated from two pieces of the project: (1) avoiding the emissions of methane (a potent greenhouse gas) into the atmosphere and (2) using the power generated from the methane (natural gas) to displace dirtier coal-fired power coming from the electric grid. The project clearly required carbon revenues to achieve these two goals and therefore generates high-quality carbon offsets.

Location

Istanbul, Turkey

Risk of Reversal

This project has no risk of reversal because its avoided emissions are not subject to being undone.

Accountability Measures

A registry-managed buffer pool exists to safeguard against project reversals. If a carbon storage project is reversed, credits from the buffer pool compensate for the shortfall, preserving environmental integrity.

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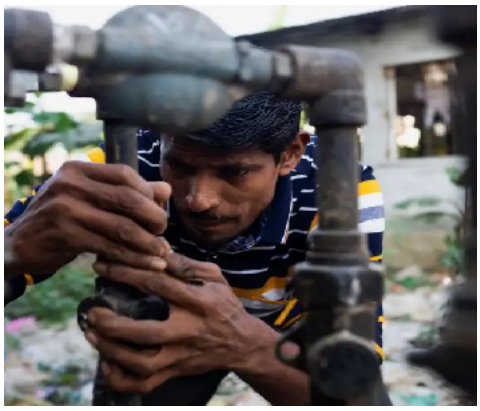
Titas Gas Leak Repair

Project Details

Activity Types	Fugitive Emissions Reduction
Impact Type	Avoided Emissions
Oxford Category	Technology-based Reductions
Developer	Titas Gas Transmission & Distribution Co.
Methodology	AM0023
Crediting Period	2017 - 2027
Purchased From	CNaught Inc.
Registry	Verra (VCS 2478)
Verifying Body	TUV SUD



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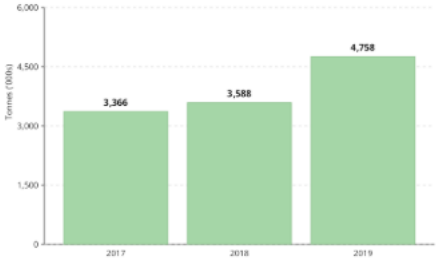

Project Description

Located in Greater Dhaka, Bangladesh, this project reduces natural gas leaks from a gas distribution network in Bangladesh through the use of an advanced leak detection and repair program. Natural gas is a potent greenhouse gas and the technology is available to detect and repair pipeline leakage. But, without carbon credit revenue, deploying that technology would not be economical (or otherwise required) in Bangladesh. Beyond being highly additional and conservative with its emission reduction calculations, this project also supports the safety and well-being of local communities by improving their access to a cleaner source of energy.

Location

Greater Dhaka, Bangladesh

Risk of Reversal

This project has little to no risk of reversal because its avoided emissions are not subject to being undone.

Accountability Measures

A registry-managed buffer pool exists to safeguard against project reversals. If a carbon storage project is reversed, credits from the buffer pool compensate for the shortfall, preserving environmental integrity.

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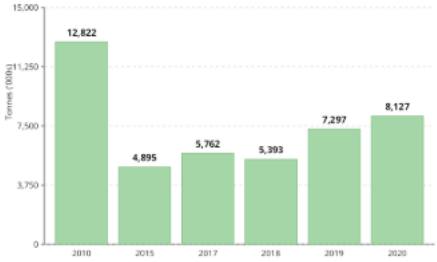
Katingan Mentaya Conservation

Project Details

Activity Types	Avoided Deforestation, Wetland Restoration and Conservation
Impact Type	Avoided Emissions
Oxford Category	Nature-based Reductions
Developer	PT. Rimba Makmur Utama (PT. RMU)
Methodology	VM0007
Crediting Period	2010 - 2070
Purchased From	CNaught Inc.
Registry	Verra (VCS 1477)
Verifying Body	SCS Global Services

Credits by Vintage



Project Description

The Katingan Mentaya Conservation project protects and restores 149,800 hectares of peatland ecosystems in Indonesia. The surrounding land was drained and converted to palm and other plantations, and the project prevents the protected area from the same fate. The are is a vitally important and dense carbon sink. While peatlands represent only 0.3% of the earth's surface, their destruction contributes between 2-5% of annual anthropogenic greenhouse gas emissions. Katingan is one of the highest-regarded, large-scale avoided deforestation projects in the world.

Risk of Reversal

Nature-based projects like this one face some risk of reversal. Carbon storage may be affected by natural hazards such as wildfires, flooding, and escalating climate change impacts. Additionally, human-driven factors such as changes in land use or local governance structures can also impact carbon storage.

Accountability Measures

A registry-managed buffer pool exists to safeguard against project reversals. If a carbon storage project is reversed, credits from the buffer pool compensate for the shortfall, preserving environmental integrity.

Location

Central Kalimantan, Indonesia

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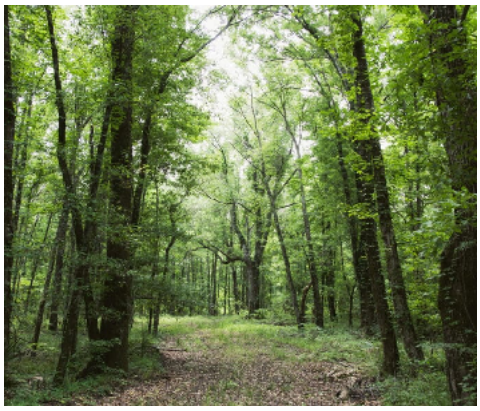
Bottomland Forests of the Louisiana Plains

Project Details

Activity Types	Improved Forest Management
Impact Type	Mix of Removals and Avoidance / Reduction
Oxford Category	Nature-based Reductions, Nature-based Removals
Developer	Nativstate
Methodology	ACR - Improved Forest Management (IFM) on Non-Federal U.S. Forestlands (Version 2.0)
Crediting Period	2022 - 2042
Purchased From	CNaught Inc.
Registry	ACR (ACR 848)
Verifying Body	TUV SUD



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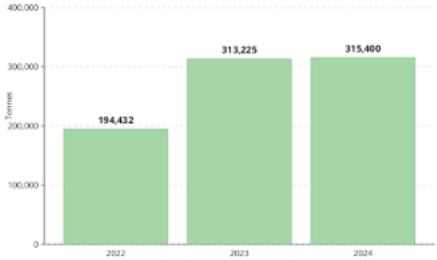
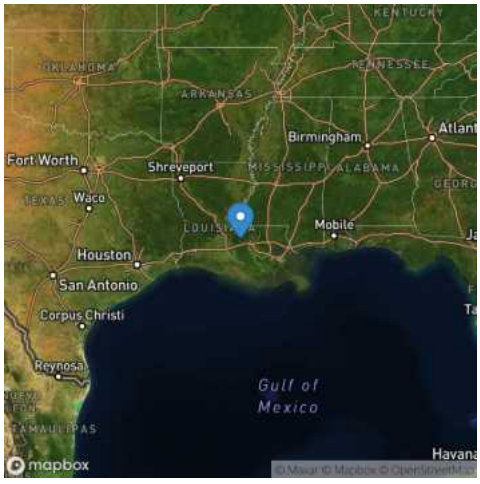


Location

Louisiana, United States



Project Description

The NativState - Bottomland Forests of the Louisiana Plains (PDA) is a programmatic development approach (PDA) to aggregated Improved Forest Management. PDA aggregates forestlands that have committed to maintaining forest CO2e stocks through sustainable management. The project will provide significant climate benefits through carbon sequestration from native forests that otherwise might not have been able to participate in the market individually due to smaller ownership size.

Risk of Reversal

Nature-based projects like this one face some risk of reversal. Carbon storage may be affected by natural hazards such as wildfires, flooding, and escalating climate change impacts. Additionally, human-driven factors such as changes in land use or local governance structures can also impact carbon storage.

Accountability Measures

A registry-managed buffer pool exists to safeguard against project reversals. If a carbon storage project is reversed, credits from the buffer pool compensate for the shortfall, preserving environmental integrity.

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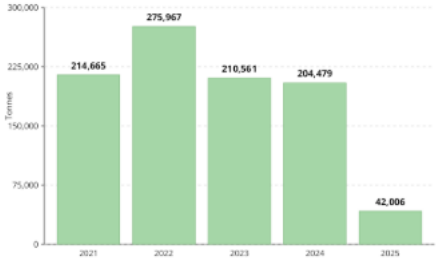
X-Hazil

Project Details

Activity Types	Improved Forest Management
Impact Type	Removal
Oxford Category	Nature-based Removals
Developer	THEEARTHLAB SA de CV
Methodology	CAR Mexico Forest Protocol V3.0
Crediting Period	2021 - 2121
Purchased From	CNaught Inc.
Registry	Climate Action Reserve (CAR 1863)
Verifying Body	ANCE

Credits by Vintage



Project Description

This project focuses on Improved Forest Management through strategic interventions in forest ecosystems. It aims to enhance sustainability by implementing regeneration practices that improve tree mass structure and maintain forest coverage. The project emphasizes maintaining the functional integrity of ecosystems while implementing silvicultural treatments and Forest Stewardship Council (FSC) monitoring protocols to ensure proper forest management.

Risk of Reversal

Nature-based projects like this one face some risk of reversal. Carbon storage may be affected by natural hazards such as wildfires, flooding, and escalating climate change impacts. Additionally, human-driven factors such as changes in land use or local governance structures can also impact carbon storage.

Accountability Measures

A registry-managed buffer pool exists to safeguard against project reversals. If a carbon storage project is reversed, credits from the buffer pool compensate for the shortfall, preserving environmental integrity.

Location

Yucatan Peninsula, Mexico

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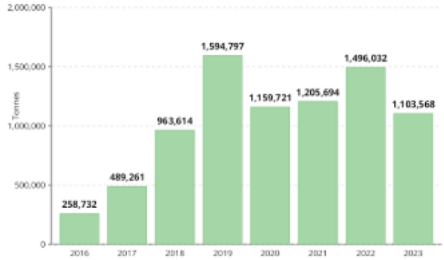
Kuamut Rainforest Conservation

Project Details

Activity Types	Improved Forest Management
Impact Type	Avoided Emissions
Oxford Category	Nature-based Removals
Developer	Permian Malaysia
Methodology	VM0010
Crediting Period	2015 - 2045
Purchased From	CNaught Inc.
Registry	Verra (VCS 2609)
Verifying Body	Earthood

Credits by Vintage



Project Description

This project is protecting over 83,000 hectares of biodiverse tropical forests from intensive logging. The project area is creating jobs, supporting the regrowth of logged forests and fostering biodiversity. The project area is known to support populations of elephants, banteng, orangutan, and endangered bird species including the Helmeted Hornbill, Bornean Peacock Pheasant and Storm's Stork.

Risk of Reversal

Nature-based projects like this one face some risk of reversal. Carbon storage may be affected by natural hazards such as wildfires, flooding, and escalating climate change impacts. Additionally, human-driven factors such as changes in land use or local governance structures can also impact carbon storage.

Accountability Measures

A registry-managed buffer pool exists to safeguard against project reversals. If a carbon storage project is reversed, credits from the buffer pool compensate for the shortfall, preserving environmental integrity.

Location

Malaysia

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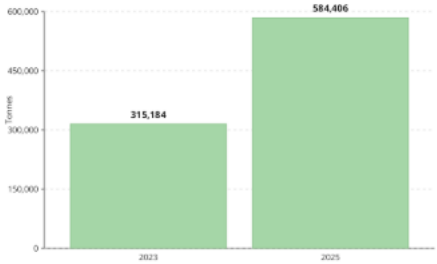
Gevo Carbon Capture

Project Details

Activity Types	Bioenergy with Carbon Capture and Storage
Impact Type	Removal
Oxford Category	Technology-based Removals
Developer	Net-Zero Richardton LLC
Methodology	PUR - Geologically Stored Carbon
Crediting Period	2022 - 2027
Purchased From	CNaught Inc.
Registry	Puro.earth (PUR 353054)
Verifying Body	Net-Zero Richardton LLC

Credits by Vintage



Project Description

The Gevo Carbon Capture project permanently sequesters carbon dioxide generated during ethanol production at a 50-million-gallon-per-year corn ethanol plant near Richardton, North Dakota. CO2 produced during fermentation is captured, purified to greater than 99.9% purity, compressed, dehydrated, and subcooled into liquid form before being injected underground into the Broom Creek geological formation on-site. In the project's absence, this CO2 would be released directly into the atmosphere as a byproduct of fermentation. The project is situated on an approximately 25-acre plant campus within a 135-acre parcel acquired by Red Trail Energy LLC in 2004 and 2005, with the facility having operated since January 2007. This carbon capture and storage project converts an existing emissions source into a vehicle for permanent geological sequestration, locking biogenic CO2 underground in a stable deep rock formation and preventing its contribution to atmospheric greenhouse gas concentrations.

Location

United States

Accountability Measures

A registry-managed buffer pool exists to safeguard against project reversals. If a carbon storage project is reversed, credits from the buffer pool compensate for the shortfall, preserving environmental integrity.

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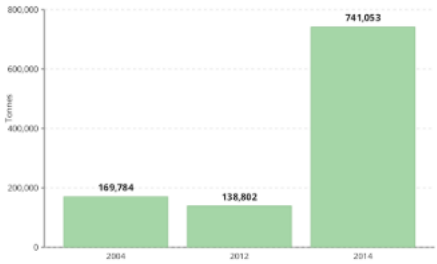
TIST Program in Kenya, VCS 006

Project Details

Activity Types	Nature-based CDR
Impact Type	Removal
Developer	Clean Air Action
Methodology	AR-AMS0001 Simplified baseline and monitoring methodologies for small-scale A/R CDM project activities implemented on grasslands or croplands with limited displacement of pre-project activities
Crediting Period	2004 - 2033
Purchased From	Carbon Direct
Registry	Verra (VCS 899)
Verifying Body	Aster Global Environmental Solutions

Credits by Vintage



Location

Kenya

Project Description

Since its inception in 1999, over 63,000 participants organized into over 8,900 TIST Small Groups have planted over ten million trees in Tanzania, India, Kenya, Uganda, Nicaragua, and Honduras - accomplishing GhG sequestration through tree planting, creating a potential long-term income stream, and developing sustainable environments and livelihoods. Currently over 50,000 TIST participants in over 6,900 Small Groups are registered in the TIST program in Kenya and are working to break their local cycle of deforestation, drought and famine. The trees planted in tens of thousands of discrete groves and land parcels are already beginning to reduce erosion, stabilize and enrich the soil, and will soon be providing shade. VCS 005: This is a VCS grouped project, is a subset of the TIST reforestation project in Kenya and applies to 3,961 of the Small Groups, 29,222 members, 18,099 project areas and 7,419.2 ha.TIST Program in Kenya VCS-006 is the same as the project TIST Program in Kenya CCB-003.

Accountability Measures

A registry-managed buffer pool exists to safeguard against project reversals. If a carbon storage project is reversed, credits from the buffer pool compensate for the shortfall, preserving environmental integrity.