

## Voluntary Carbon Market Disclosures for CA Bill AB 1305

October 25, 2024 - April 18, 2025

# Liling Landfill Gas Project

## Project Details

Activity Types	Landfill Gas Capture
Impact Type	Avoided Emissions
Oxford Category	I
Developer	Zhuzhou Xinzhongshui Environmental Protection Technology Co., Ltd.
Methodology	ACM0001
Crediting Period	2020 - 2030
Purchased From	CNaught Inc.
Registry	Verra ( <a href="#">VCS 2503</a> )
Verifying Body	China Classification Society Certification Company

## Project Description

This project supports collection of landfill gas and generation of 3.2MW of electricity at a landfill in Liling City of Hunan Province, China. The project is expected to reduce nearly 1,000,000 tonnes of CO2e emissions during the project's lifetime. 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.

## Risk of Reversal

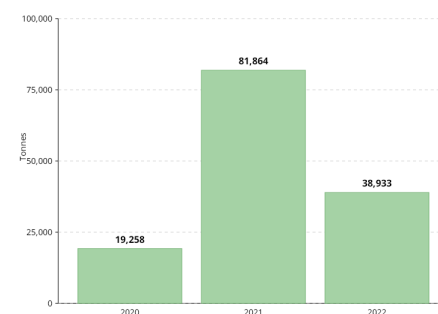
This project has no risk of reversal because its avoided emissions are not subject to being undone.

## 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.

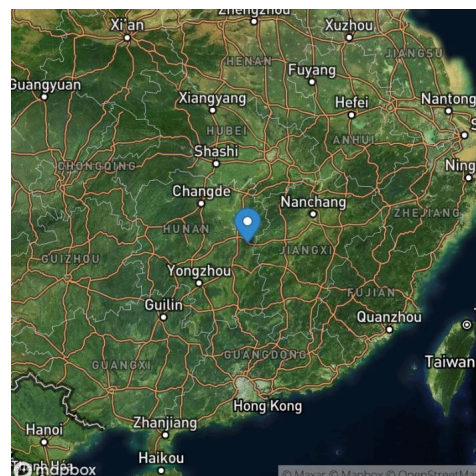


## Credits by Vintage



## Location

Liling, Hunan Province, China



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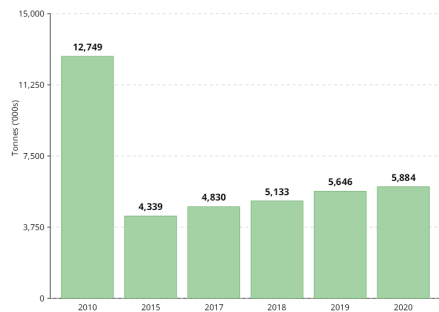
## Katingan Mentaya Project

### Project Details

Activity Types	Avoided Deforestation, Wetland Restoration and Conservation
Impact Type	Avoided Emissions
Oxford Category	II
Developer	PT. Rimba Makmur Utama (PT. RMU)
Methodology	VM0007
Crediting Period	2010 - 2070
Purchased From	CNaught Inc.
Registry	Verra ( <a href="#">VCS 1477</a> )



### Credits by Vintage



### Project Description

The Katingan Mentaya 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 area 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

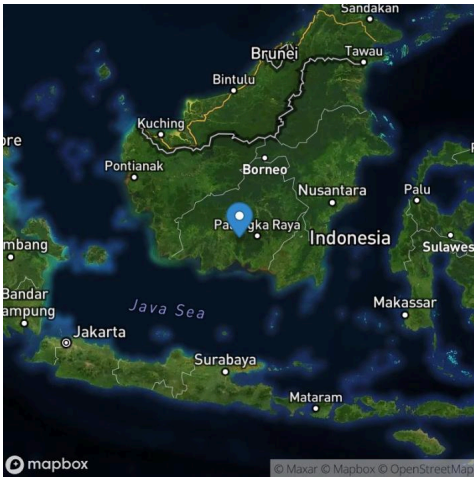
Nature-based projects like this one face some risk of reversal. Carbon storage may be affected by natural hazards such as wildfires, flooding, and escalating climate change impacts. Additionally, human-driven factors such as changes in land use or local governance structures can also impact carbon storage.

### 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



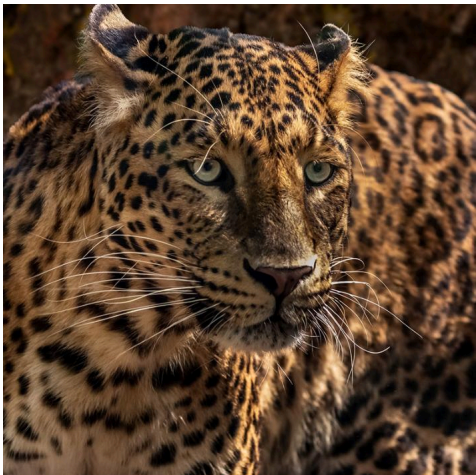
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## X-Hazil

### Project Details

Activity Types	Improved Forest Management
Impact Type	Removal
Oxford Category	IV
Developer	THEEARTHLAB SA de CV
Methodology	CAR Mexico Forest Protocol V3.0
Crediting Period	2021 - 2121
Purchased From	CNaught Inc.
Registry	Climate Action Reserve ( <a href="#">CAR 1863</a> )
Verifying Body	ANCE



### 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.

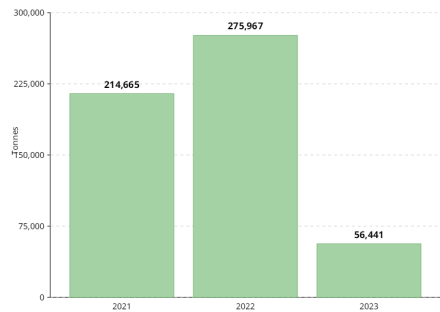
### Risk of Reversal

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.

### Credits by Vintage



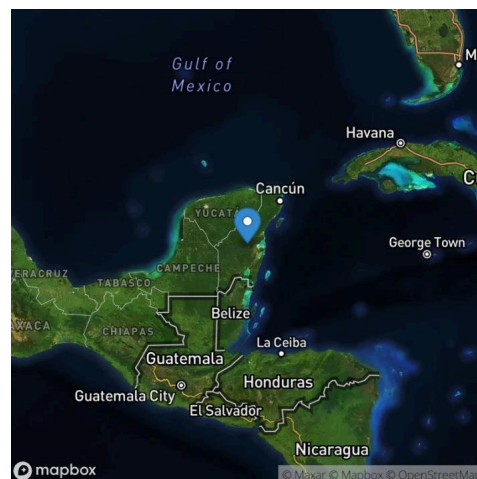
### Location

Yucatan Peninsula, Mexico

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## Frontier Carbon Removal Portfolio

### Project Details

Activity Types	Long-Lived Removals
Impact Type	Removal
Oxford Category	V
Developer	Frontier Climate
Methodology	Various
Crediting Period	2027 and beyond
Purchased From	CNaught Inc.
Registry	None ()

### Project Description

The Frontier offtake portfolio focuses exclusively on the most innovative permanent carbon removal technologies ready to rapidly scale. Frontier technologies are highly vetted against target criteria, including the ability to store removed carbon for more than a thousand years and the potential to be low-cost and high-volume in the future, in line with 2050 climate goals. Offtake carbon removal units come from a diverse and globally distributed portfolio of the most promising carbon removal technologies, vetted by industry experts and Frontier’s team of scientists. The portfolio approach is intended to accelerate the broader carbon removal ecosystem and mitigate delivery risk. The portfolio includes a combination of: direct air capture, biomass carbon removal and storage, and other pathways as they become offtake ready.

### Risk of Reversal

These projects face low risk of reversal because they are designed to store captured carbon for hundreds or even thousands of years. The primary risk of reversal comes from failure of the storage mechanism over the promised timeframe.

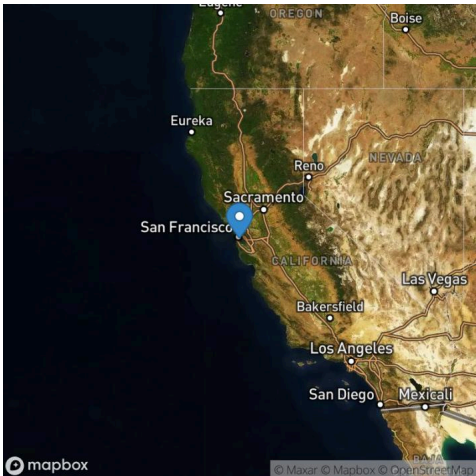
### Accountability Measures

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### Location

South San Francisco, California, United States





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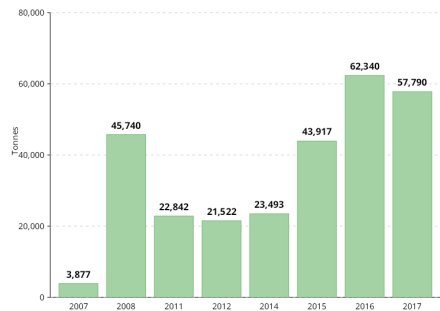
## Fuzhou Hongmiaoling Landfill Gas to Electricity Project

### Project Details

Activity Types	Landfill Gas Capture
Impact Type	Avoided Emissions
Oxford Category	I
Developer	Fujian Tianyi Renewable Energy Technology & Utilization Co., Ltd.
Methodology	ACM0001
Crediting Period	2007 - 2017
Purchased From	CNaught Inc.
Registry	Verra ( <a href="#">VCS 253</a> )
Verifying Body	Germanischer Lloyd Certification



### Credits by Vintage



### Project Description

This project supports collection of landfill gas and generation of 2.5MW of electricity at a landfill in Fuzhou City in Fujian Province in southeastern China. The landfill received waste from 1995 until 2008, and—like most landfills—throws off methane as some of that 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.

### 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.

### Location

Fujian Province, China

