

Compliance Carbon Credit Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025-2034

<https://marketpublishers.com/r/CA0B4B72A5FEEN.html>

Date: February 2025

Pages: 116

Price: US\$ 4,850.00 (Single User License)

ID: CA0B4B72A5FEEN

Abstracts

The Global Compliance Carbon Credit Market reached USD 113.1 billion in 2024 and is projected to grow at a CAGR of 15.6% between 2025 and 2034. The growing urgency of climate action, driven by international agreements and corporate sustainability commitments, has positioned carbon credits as an essential tool for organizations looking to meet environmental regulations and enhance their ESG profiles. As more businesses integrate carbon credits into their long-term strategies, the demand for verified and high-quality compliance credits continues to surge. Companies across industries are recognizing the financial and reputational advantages of participating in carbon credit programs, leading to increased investment in emission reduction initiatives. Regulatory bodies worldwide are also tightening carbon emission limits, further driving the need for compliance-based credit trading. The rise of corporate net-zero pledges has propelled the adoption of carbon credits as a necessary mechanism to bridge the gap between emission reduction goals and operational feasibility.

Standardization and verification advancements have fueled greater market participation, ensuring transparency and credibility in credit issuance and trading. The integration of blockchain technology has significantly improved the verification and tracking of carbon credits, eliminating risks associated with double counting and fraud. By leveraging blockchain's distributed ledger system, companies and regulatory bodies can maintain a secure and immutable record of credit transactions, enhancing trust and accountability within the market. As blockchain adoption grows, trading platforms are becoming more efficient, allowing businesses to seamlessly buy, sell, and retire carbon credits while ensuring compliance with evolving regulations.

Renewable energy industries accounted for a significant share of the compliance

carbon credit market in 2024, driven by favorable government policies and the implementation of cap-and-trade systems. These frameworks incentivize clean energy production by allowing energy companies to generate tradeable credits when replacing fossil fuels with renewable alternatives. As a result, investment in solar, wind, and hydropower projects continues to rise, further accelerating the transition toward low-carbon energy sources. With governments worldwide committing to more stringent carbon reduction targets, the renewable energy sector is expected to remain a key driver of compliance carbon credit market growth.

The carbon capture and storage (CCS) segment is set to expand at a CAGR of 21% through 2034, supported by increasing regulatory mandates and financial incentives. Industries with traditionally high carbon footprints, such as cement, steel, and power generation, are actively deploying large-scale CCS solutions to mitigate emissions and comply with regulatory standards. The compliance market rewards these industries with tradeable carbon credits, creating a financial incentive for continued investment in cutting-edge CCS technologies. As governments ramp up funding for carbon sequestration projects, more companies are expected to adopt these solutions, contributing to overall emission reduction efforts.

The U.S. Compliance Carbon Credit Market generated USD 8.4 billion in 2024, driven by the expansion of federal carbon pricing policies and state-led cap-and-trade programs. As more states participate in regulated carbon credit trading, demand for compliance credits has surged across multiple industries, particularly in power generation and manufacturing. Stricter emission limits and policy frameworks are accelerating the adoption of carbon reduction technologies, reinforcing the role of compliance credits in meeting sustainability goals. With evolving regulatory landscapes and corporate climate commitments, the U.S. market is poised for significant growth in the coming years.

Contents

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market scope & definitions
- 1.2 Market estimates & forecast parameters
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid
 - 1.4.2.2 Public

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry synopsis, 2021 - 2034

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Regulatory landscape
- 3.3 Industry impact forces
 - 3.3.1 Growth drivers
 - 3.3.2 Industry pitfalls & challenges
- 3.4 Growth potential analysis
- 3.5 Porter's Analysis
 - 3.5.1 Bargaining power of suppliers
 - 3.5.2 Bargaining power of buyers
 - 3.5.3 Threat of new entrants
 - 3.5.4 Threat of substitutes
- 3.6 PESTEL Analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Introduction
- 4.2 Strategic outlook
- 4.3 Innovation & sustainability landscape

CHAPTER 5 MARKET SIZE AND FORECAST, BY END USE, 2021 – 2034 (USD)

BILLION)

- 5.1 Key trends
- 5.2 Agriculture
- 5.3 Carbon Capture & Storage
- 5.4 Chemical process
- 5.5 Energy efficiency
- 5.6 Industrial
- 5.7 Forestry & Land use
- 5.8 Renewable energy
- 5.9 Transportation
- 5.10 Waste management
- 5.11 Others

CHAPTER 6 MARKET SIZE AND FORECAST, BY REGION, 2021 – 2034 (USD BILLION)

- 6.1 Key trends
- 6.2 North America
 - 6.2.1 U.S.
 - 6.2.2 Canada
 - 6.2.3 Mexico
- 6.3 Europe
 - 6.3.1 Denmark
 - 6.3.2 Norway
 - 6.3.3 France
 - 6.3.4 Sweden
- 6.4 Asia Pacific
 - 6.4.1 China
 - 6.4.2 Japan
 - 6.4.3 New Zealand
- 6.5 Middle East & Africa
 - 6.5.1 South Africa
- 6.6 Latin America
 - 6.6.1 Argentina
 - 6.6.2 Chile

CHAPTER 7 COMPANY PROFILES

- 7.1 3Degrees
- 7.2 ALLCOT
- 7.3 Atmosfair
- 7.4 CarbonClear
- 7.5 ClimeCo
- 7.6 Climate Impact Partners
- 7.7 Ecosecurities
- 7.8 Green Mountain Energy Company
- 7.9 Shell
- 7.10 South Pole
- 7.11 Sterling Planet Inc.
- 7.12 TerraPass
- 7.13 The Carbon Collective Company
- 7.14 The Carbon Trust
- 7.15 VERRA
- 7.16 WGL Holdings, Inc

I would like to order

Product name: Compliance Carbon Credit Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025-2034

Product link: <https://marketpublishers.com/r/CA0B4B72A5FEEN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/CA0B4B72A5FEEN.html>