

# Refuse-Derived Fuel (RDF) in North America: Market Projected to Reach US\$ 548.61 Million by 2034 at 3.4% CAGR

*Analysis of Refuse-Derived Fuel (RDF) Industry Covering Countries Includes Analysis of US and Canada.*

MD, UNITED STATES, January 15, 2025 /EINPresswire.com/ -- Demand for refuse-derived fuel (RDF) in North America is calculated at a market value

of US\$ 392.7 million in 2024 and is projected to increase at a CAGR of 3.4% to reach US\$ 548.61 million by the end of 2034.

The logo for Fact.MR, with 'Fact' in white text on a blue rectangular background and '.MR' in blue text to its right.

Refuse-Derived Fuel (RDF) Industry Analysis in North America

The [refuse-derived fuel \(RDF\) industry in North America](#) is experiencing significant growth, driven by increasing waste generation, stringent environmental regulations, and a rising demand for sustainable energy sources. RDF is produced by processing non-recyclable waste materials into a fuel that can be used in various industrial applications, offering an alternative to traditional fossil fuels and contributing to waste management solutions.

## Market Overview

Demand for refuse-derived fuel (RDF) in North America is calculated at a market value of US\$ 392.7 million in 2024 and is projected to increase at a CAGR of 3.4% to reach US\$ 548.61 million by the end of 2034. This growth is attributed to supportive government policies promoting renewable energy and waste management, technological advancements in RDF production, and the increasing adoption of RDF in industries such as cement manufacturing and power generation.

For More Insights into the Market, Request a Sample of this Report-  
[https://www.factmr.com/connectus/sample?flag=S&rep\\_id=9777](https://www.factmr.com/connectus/sample?flag=S&rep_id=9777)

## Future Opportunities

The RDF market in North America presents several future opportunities:

**Expansion in Cement Industry:** Cement kilns are significant consumers of RDF due to the high energy requirements of cement production. The industry's shift towards sustainable practices opens avenues for increased RDF utilization.

**Technological Advancements:** Investments in research and development are leading to improved RDF processing technologies, enhancing fuel quality and production efficiency. Innovations such as advanced sorting systems, near-infrared (NIR) technology for material identification, and efficient drying systems are contributing to the production of high-quality RDF.

**Regulatory Support:** Government incentives and policies favoring renewable energy and waste reduction are expected to drive RDF market growth. For instance, in Canada, supportive government policies toward renewable energy production and waste management are driving RDF demand.

## Market Analysis

The RDF market is segmented based on fuel type, application, processing method, and region:

**Fuel Type:** RDF is categorized into high-grade (>10 MJ/kg) and low-grade (<10 MJ/kg) fuels, with applications varying based on energy content requirements.

**Application:** Key applications include cement kilns, coal-fired power plants, combined heat and power (CHP) systems, and industrial furnaces. Cement kilns, in particular, are significant consumers of RDF, seeking more sustainable energy options.

**Processing Method:** Production methods encompass mechanical biological treatment (MBT), mechanical heat treatment (MHT), and mechanical heat treatment with sterilization, each influencing the quality and characteristics of the RDF produced.

**Regional Insights:** North America leads the RDF market, with the United States and Canada being major contributors. In Canada, the market is projected to grow at a CAGR of 2.8% from 2024 to 2034, driven by supportive government policies and a focus on efficient waste management.

## Recent Updates and Industry News

Recent developments in the RDF industry include:

**Market Growth Projections:** The global RDF market growth is driven by stringent waste disposal regulations, the need for sustainable energy sources, and the adoption of circular economy principles.

**Technological Innovations:** Advancements in RDF processing technologies, such as the integration of advanced automated sorting systems and efficient drying systems, are enhancing

the efficiency and quality of RDF production.

**Environmental Regulations:** Stringent environmental regulations aimed at reducing greenhouse gas emissions are driving the demand for cleaner and more sustainable energy sources in industrial processes, boosting RDF adoption.

The RDF industry in North America is poised for substantial growth, supported by technological advancements, regulatory frameworks, and a shift towards sustainable energy practices. Key players are investing in innovative technologies and expanding their operations to meet the increasing demand for RDF. With ongoing developments and a focus on environmental sustainability, the RDF market is set to play a crucial role in the region's energy and waste management landscape.

Get Customization on this Report for Specific Research Solutions-  
[https://www.factmr.com/connectus/sample?flag=S&rep\\_id=9777](https://www.factmr.com/connectus/sample?flag=S&rep_id=9777)

More Valuable Insights on Offer

Fact.MR, in its new offering, presents an unbiased analysis of the ambulance cot market, presenting historical demand data (2018 to 2023) and forecast statistics for the period (2024 to 2034).

The study divulges essential insights into the market based on product (emergency cots, transport cots), technology (manual cots, pneumatic cots, electric cots), and end user (EMS service providers, hospitals, ambulatory service centers), across six major regions of the world (North America, Europe, East Asia, Latin America, South Asia & Oceania, and MEA).

Key Companies Profiled-

Veolia; Renewi; SUEZ Recycling and Recovery; Covanta Energy Corporation

Competitive Landscape-

Leading refuse-derived fuel companies in the North American market are employing various marketing strategies such as technological innovation, strategic partnerships, circular economy strategies, and market expansion to increase their market position and profit shares.

Continuous investments in research and development efforts help key market players stay at the forefront of technological advancements. Innovations in RDF processing technologies, emission control systems, and overall plant efficiency are leading to the development of superior products and services, attracting more customers and improving profitability.

Checkout More Related Studies Published by Fact.MR Research:

Revenue from the sales of [refuse-derived fuel \(RDF\) in Europe](#) is estimated to reach US\$ 1.32 billion in 2024, according to a newly published study by Fact.MR. The European market is forecasted to expand at 4.2% CAGR and reach a value of US\$ 2 billion by the end of 2034.

As per the latest research analysis published by Fact.MR, sales of [refuse-derived fuel \(RDF\) in East Asia](#) are estimated at US\$ 339.3 million in 2024. The East Asian market is projected to expand at a CAGR of 4.7% and reach a valuation of US\$ 537 million by the end of 2034.

About Us:

Fact.MR is a distinguished market research company renowned for its comprehensive market reports and invaluable business insights. As a prominent player in business intelligence, we deliver deep analysis, uncovering market trends, growth paths, and competitive landscapes. Renowned for its commitment to accuracy and reliability, we empower businesses with crucial data and strategic recommendations, facilitating informed decision-making and enhancing market positioning.

With its unwavering dedication to providing reliable market intelligence, FACT.MR continues to assist companies in navigating dynamic market challenges with confidence and achieving long-term success. With a global presence and a team of experienced analysts, FACT.MR ensures its clients receive actionable insights to capitalize on emerging opportunities and stay competitive.

Contact:

US Sales Office

11140 Rockville Pike

Suite 400

Rockville, MD 20852

United States

Tel: +1 (628) 251-1583, +353-1-4434-232 (D)

Sales Team: [sales@factmr.com](mailto:sales@factmr.com)

S.N. Jha

Fact.MR

+1 628-251-1583

S. N. Jha

Fact.MR

+1 628-251-1583

[email us here](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/777292967>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors

try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.