

U.S. & Canada Waste-to-Energy Market by Type of Technology (Thermal, Biochemical, and Others): Opportunity Analysis and Industry Forecast 2019–2026

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Abstracts

The U.S. & Canada waste-to-energy market was valued at \$1,811.0 million in 2018, and is projected to reach \$2,894.0 million by 2026, growing at a CAGR of 6.0% from 2019 to 2026.

Waste-to-energy (WtE) or Energy from Waste (EfW) is a process of energy recovery, and the technique of generating energy in the form of heat or electricity from the primary treatment of waste. Most of the WtE processes produce heat or electricity directly through thermal combustion, or generate a combustible fuel commodity, including methanol, methane, synthetic fuels, or ethanol. There are around 450 WtE facilities in Canada and 1,000 in the U.S.

The U.S. and Canada waste-to-energy market growth is accelerated by increasing demand for renewable sources of energy. Waste-to-energy is one of the most effective and robust source of energy derived from waste as a combustion substance. Rise in demand for electricity consumption is also other factor responsible for the growth of the U.S. and Canada waste-to-energy Market. Other factors include increase in demand for incineration process and rise in public WtE expenditure. Moreover, increase in inclination of consumers toward efficient and easy WtE conversion techniques, such as incineration, gasification, pyrolysis, and various biochemical treatments, including aerobic and anaerobic digestion, is expected to significantly boost the U.S. & Canada waste-to-energy market growth.

However, there are certain factors expected to hamper the growth of the market. Rise in



concerns related to the environmental hazards associated with the incineration process is expected to affect the overall market growth in developed and developing countries.

On the contrary, increase in investments in R&D activities to ensure reliability in terms of environmental effects is expected to offer lucrative opportunities for the market growth in the future.

The U.S. & Canada waste-to-energy market is segmented on the basis of type of technology and U.S. & Canada regions. On the basis of type of technology, the market is bifurcated into thermal, biochemical and others. The thermal segment is further categorized into incineration, pyrolysis, and gasification. The incineration segment is anticipated to register a significant CAGR during the forecast period. Country wise, the market is analyzed across the U.S. & Canada.

The key players profiled in the report include John Wood Group PLC, Babcock & Wilcox Enterprises, Inc., Covanta Holding Corporation, Waste Management, Inc., Mitsubishi Heavy Industries, Plasco Energy Group, Inc., Xcel Energy, Inc., Wheelabrator Technologies Inc., BlueFire Renewables, and Ener-Core, Inc. The key players have adopted various market penetration and growth strategies, such as acquisitions, agreements, partnerships and business expansion, to strengthen their foothold in the market. In an instance, John Wood Group PLC (Wood Group or JWG) acquired Amec Foster Wheeler with an aim to enhance project delivery, engineering, and technical services for the waste-to-energy sector.

KEY BENEFITS FOR STAKEHOLDERS

The report provides extensive qualitative and quantitative analyses of the current trends and future estimations of the U.S. and Canada waste-to-energy market from 2018 to 2026 to determine the prevailing opportunities.

Comprehensive analysis of factors that drive and restrict the growth of the market is provided.

Estimations and forecast are based on factors impacting the market growth, in terms of both value and volume.



Profiles of leading players operating in the U.S. and Canada waste-to-energy market has been provided, and this helps can be useful for understanding the competitive scenario in both countries.

The report provides extensive qualitative insights on the significant segments and countries exhibiting favorable market growth.

By Type of technology Thermal Incineration Pyrolysis Gasification Biochemical Others By Country U.S. Canada

KEY MARKET PLAYERS

John Wood Group PLC

Babcock & Wilcox Enterprises, Inc.

Covanta Holding Corporation



Waste	Management,	Inc
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Mitsubishi Heavy Industries

Plasco Energy Group, Inc.

Xcel Energy, Inc.

Wheelabrator Technologies Inc.

BlueFire Renewables

Ener-Core, Inc.

Other key players operating in the waste-to-energy market in the U.S. & Canada regions are Global Clean Energy, Inc., Natural Energy Systems, Inc., Greenlight Energy Solutions, International Composting Corporation, and WaterSmart Environmental, Inc.



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