

Waste-to-Energy Solutions Gain Momentum in North America's Circular Economy

The U.S. & Canada waste-to-energy market will grow significantly due to rising renewable energy demand and increased electricity consumption.

WILMINGTON, DE, UNITED STATES, March 11, 2025 /EINPresswire.com/ -- According to a new report published by Allied Market Research titled, "the [U.S. & Canada waste-to-energy market](#) is anticipated to generate \$2,894.0 million by 2026. The U.S. & Canada waste-to-energy market is projected to experience growth at a CAGR of 6.0% from 2019 to 2026.

Waste-to-energy is one of the most effective and robust alternative source of energy, which helps in the reduction of CO₂ emissions and thus replace the use of fossil fuels. Using waste as a combustion substance is expected to reduce landfill volumes by more than 90%. For every ton of waste burned, one ton of CO₂ emission is reduced, which further helps in eliminating methane, which could be leaked with landfill disposal. This factor is anticipated to increase the demand for U.S. & Canada waste-to-energy market.

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The U.S. and Canada waste-to-energy market is growing due to surge in demand for renewable sources of energy in these regions, as well as increase in investment by governments to enhance energy production. Further, regulation implemented to reduce carbon content are further anticipated to boost the overall growth of the market. However, high costs associated with plant installation and infrastructure of expensive components are expected to hamper the overall market growth.

On the basis of type of technology, thermal type of waste-to-energy market is accounted for the highest U.S. & Canada waste-to-energy market share in the year 2018 and is projected to maintain the same during the forecast period. This is owing to increase in demand for thermal gasification in energy generation from waste materials due to rise in demand for clean energy across the countries.

Furthermore, U.S. & Canada waste-to-energy market trends such as rapid urbanization and upsurge in the production of various renewable energy sources including biomass and other are expected to boost the growth of the market. The incineration segment was valued at \$859.4 million in 2018 and is projected to reach \$1,380.6 million by 2026, growing at a CAGR of 6.1%

from 2019 to 2026. The incineration segment accounted for around half of the thermal technology segment in 2018, owing to the perennial modifications in the market and efficient techniques & process, which are in high demand across the globe. Thus, increase in requirement of high-tech waste-to-energy conversion methods fuels the in U.S. and Canada waste-to-energy market growth.

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Key Growth Drivers of the U.S. & Canada Waste-to-Energy Market □□□

The Waste-to-Energy (WTE) market in the U.S. and Canada is expanding rapidly due to increasing waste generation, sustainability goals, and advancements in energy recovery technologies. Here are the key drivers fueling this growth:

1□□ Rising Waste Generation & Landfill Constraints

- Increasing municipal solid waste (MSW) production is pushing the need for efficient waste management.
- Limited landfill capacity and stricter landfill regulations are encouraging WTE adoption.

2□□ Government Policies & Incentives

- Strong regulatory support through renewable energy credits, carbon pricing, and waste diversion mandates.
- U.S. EPA's Waste Reduction Policies and Canada's Zero Plastic Waste Strategy promote WTE solutions.

3□□ Focus on Renewable & Sustainable Energy

- WTE facilities contribute to renewable energy goals by converting non-recyclable waste into electricity and heat.
- Canada's commitment to Net Zero by 2050 and U.S. state-level clean energy initiatives are boosting WTE adoption.

4□□ Advancements in WTE Technologies

- Growth in gasification, pyrolysis, and plasma arc technology is improving efficiency and reducing emissions.
- Carbon capture integration is making WTE plants more sustainable.

5□□ Growing Demand for Circular Economy Solutions

- WTE supports a closed-loop economy by reducing waste and generating usable byproducts like biofuels and syngas.
- Industries are investing in waste valorization to enhance sustainability efforts.

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. are the key player

profiles included in the U.S. & Canada waste-to-energy market report.

Other players operating in the value chain include Global Clean Energy, Inc., Natural Energy Systems, Inc., Greenlight Energy Solutions, International Composting Corporation, and WaterSmart Environmental, Inc.

For Purchase Inquiry: <https://www.alliedmarketresearch.com/us-and-canada-waste-to-energy-market/purchase-options>

Key Findings Of The Study:

- By type of technology, the biochemical segment is anticipated to grow at highest CAGR of 6.6% during the forecast period, and is anticipated to maintain the same pace.
- By country, the U.S. was the largest revenue contributor of the waste-to-energy market in 2018
- Canada waste-to-energy market is growing at the highest CAGR of 6.3% during 2019-2026 owing to rise in energy demand and reduction in dependence on fossil fuels.

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