



ReSolve Energy positions Québec as a renewable-energy leader with proprietary technology

Montreal, Quebec, December 16, 2025 - ReSolve Energy Inc. (CSE: RESO) (the “Corporation”) provides a corporate update.

The Corporation is now advancing a proprietary technology that transforms diverse residual biomass streams, ranging from sawmill bark and forestry residues to deconstruction wood and paper mill sludge, into three forms of renewable energy. In doing so, the patent pending technology reduces fossil fuel use and greenhouse gas emissions while supporting a circular economy through the optimal recovery of forestry residues.

With carbon-intensive industries under increasing pressure to decarbonize and enhance domestic energy independence, Québec-based ReSolve Energy offers a credible, innovative, and immediately actionable solution.

Ian C. Peres, President & CEO of the Corporation commented, “Our mission is to convert an environmental challenge into a catalyst for economic growth, innovation, and decarbonization. Through renewable energy production using Québec’s abundant forestry residues, ReSolve supports regional economic diversification through the use of local supply chains and the creation of skilled jobs for a low-carbon economy.”

Using its biorefinery process, the technology converts lignocellulosic biomass into three green energy products:

1. A high-performance solid biofuel in the form of lignin heating pellets;
2. A second-generation bioethanol with low carbon intensity; and
3. Renewable electricity from integrated cogeneration electricity generation.

Lignin pellets have an exceptional calorific value of approximately 27 gigajoules per tonne, making them one of the most efficient biofuels in the world. Their energy density, combined with their renewable nature, makes them a credible and competitive alternative to coal and petcoke, which are particularly sought after by heavy industries like steel and cement looking to rapidly reduce their emissions.

The ethanol to be produced is a second-generation ethanol, derived entirely from residual forestry biomass, offering a lower carbon intensity than first-generation ethanol produced from corn. This approach aims for greater social acceptance, since it does not compete with food crops or agricultural land.

The Corporation’s cogeneration units will produce a stable supply of renewable electricity for insertion directly into the provincial grid or to supply nearby industries. This local generation strengthens Québec's electricity capacity, a key strategic asset at a time when the electrification of industry and transportation is accelerating. By providing clean, continuous energy, ReSolve will help ease pressure on the grid, secure supply, and support the energy transition for companies looking to reduce their reliance on fossil fuels.

You can read more about the Corporation's lignin pellets, second generation ethanol and cogeneration units on our website at www.resolveenergies.com.

ReSolve is fully compliant with provincial and federal carbon neutrality objectives, while offering investors a rare opportunity to participate in the emergence of a Quebec player in clean energy. This press release has been reviewed by Xavier Duret, Chemical Process Engineer, graduate of the École Nationale Supérieure des Technologies et Industrie du Bois, PhD. in Wood and Fiber Sciences.

About the Corporation

The Corporation is focused on the development and commercialization of advanced biofuel and renewable energy technologies, as well as the exploration of natural hydrogen resources. The Corporation has engineered a proprietary, patent pending acid hydrolysis platform capable of converting residual biomass—including bark, demolition wood,

and paper sludge—into three complementary renewable energy products: second-generation ethanol, industrial-grade lignin pellets, and electricity generated via integrated biomass cogeneration. The Corporation also owns 119 mineral exploration claims covering 6,613 hectares (66 km²) in Québec.

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The Corporation's public documents may be accessed at www.sedarplus.com

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