

Global Brewer Secures Greener Future With Thermal Energy Heat Recovery System

OTTAWA, ONTARIO – August 7 2019 – Thermal Energy International Inc. (“[Thermal Energy](#)” or the “Company”) (TSX-V: [TMG](#)), a global provider of energy efficiency and emissions reduction solutions, has been commissioned by a leading European brewer to install a high-efficiency heat recovery system.

The [FLU-ACE](#)® heat recovery project, valued at over \$650,000, is designed to optimize efficiency at the UK production facility, helping the site to operate more sustainably in line with the organisation’s targets.

Upon commissioning, the system will recover heat currently wasted to the atmosphere from the site’s boiler flues. The recaptured energy will preheat water for the boilers, as well as eliminate the requirement for steam previously used to maintain the site’s anaerobic digester and effluent treatment temperatures. This is the first time Thermal Energy will apply its proprietary technology within the brewing industry for this specific purpose.

Preliminary analysis shows the initiative will provide an expected utility saving of over \$400,000 per year, with the approach set to decrease gas and steam consumption by more than 14%. Carbon emissions will also be reduced by over 2,500 tonnes annually. This is a CO₂ saving equivalent to removing over 500 cars from the road each year, replacing nearly 100,000 incandescent light bulbs with LEDs or running a wind turbine for six months¹.

“Over the last two decades we’ve helped more than 50 plants in the brewing and bottling industries to operate more efficiently. This latest project highlights our ability to apply our technology in new ways in order to meet the constantly evolving challenges the sector faces”. Said William Crossland, CEO of Thermal Energy.

“With 50% of all industrial energy lost as waste heat, and manufacturers increasing looking for ways to minimize their environmental impact, the food and beverage industry and specifically brewing, represents a key global growth opportunity for Thermal Energy. It holds significant potential across our range of including [FLU-ACE](#)®, [GEM](#)™ and [HEATSPONGE](#).”

The scope of this order covers all design, construction, installation, commissioning and training for the system. The project is expected to be completed and revenue earned within nine months.

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¹ United States Environmental Protection Agency’s Greenhouse Gas Equivalencies Calculator: www.epa.gov/energy/greenhouse-gas-equivalencies-calculator

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Notes to editors:

About Thermal Energy International Inc.

Thermal Energy International Inc. is an established global supplier of proprietary, proven energy efficiency and emissions reduction solutions to the industrial, institutional and commercial sectors. We save our customers money and improve their bottom line by reducing their fuel use and cutting their carbon emissions. Our customers include a large number of Fortune 500 and other leading multinational companies across a wide range of industry sectors.

Thermal Energy is also a fully accredited professional engineering firm and by providing a unique mix of proprietary products together with process, energy and, environmental engineering expertise, Thermal Energy is able to deliver unique turnkey projects with significant financial and environmental benefits for our customers.

Thermal Energy's proprietary products include; [GEM™](#) - Steam Traps, [FLU-ACE®](#) - Direct contact condensing heat recovery, [HEATSPONGE](#) – Indirect contact condensing heat recovery systems, and [DRY-REX™](#) - Low temperature biomass drying systems.

Thermal Energy has engineering offices in Ottawa, Canada, Pittsburgh, USA, as well as Bristol, U.K., with sales offices in Canada, UK, USA, Germany, Poland, Italy and China. TEI's common shares are traded on the TSX Venture Exchange (TSX-V) under the symbol TMG.

For more information, visit our website at www.thermalenergy.com and follow us on Twitter at twitter.com/GoThermalEnergy.

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This press release contains forward-looking statements relating to, and amongst other things, based on management's expectations, estimates and projections, the anticipated effectiveness of the Company's products and services and the timing of revenues to be received by the Company. Information as to the amount of heat recovered, energy savings and payback period associated with Thermal Energy

International's products are based on the Company's own testing and average customer results to date. Statements relating to the expected installation and revenue recognition for projects, statements about the anticipated effectiveness and lifespan of the Company's products, statements about the expected environmental effects and cost savings associated with the Company's products and statements about the Company's ability to cross-sell its products and sell to more sites are forward looking statements. These statements are not guarantees of future performance and involve a number of risks, uncertainties and assumptions. Many factors, some of which are outside of the Company's control, could cause events and results to differ materially from those stated. Fulfilment of orders, installation of product and activation of product could all be delayed for a number of reasons, some of which are outside of the Company's control, which would result in anticipated revenues from such projects being delayed or in the most serious cases eliminated. Actions taken by the Company's customers and factors inherent in the customer's facilities but not anticipated by the Company can have a negative impact on the expected effectiveness and lifespan of the Company's products and on the expected environmental effects and cost savings expected from the Company's products. Any customer's willingness to purchase additional products from the Company is dependent on many factors, some of which are outside of the Company's control, including but not limited to the customer's perceived needs and the continuing financial viability of the customer. The Company disclaims any obligation to publicly update or revise any such statements except as required by law.

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