

Thermal Energy Provides The ‘Formula’ For Energy Efficiency With Global Nutrition Company

OTTAWA, ONTARIO – August 22 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 multinational food-products corporation to install a turn key, energy saving heat recovery system.

The [FLU-ACE](#)[®] heat recovery project, valued at approximately \$1.4 million, is designed to improve efficiency and reduce emissions at the manufacturer’s infant milk processing plant. Upon commissioning, it will recover and reuse energy currently lost through the boiler’s exhausts, to provide heat for the pasteurizing, fermentation and drying processes on site.

The project is part of a company-wide commitment to improving energy efficiency and minimizing emissions, with the installation expected to deliver both pollution prevention and pollution control. Analysis shows it could improve fuel use by up to 12%, equating to an annual energy saving of up to \$570,000. Carbon emissions will also be reduced by up to 2,610 tonnes, as will end-of-pipe particulate matter by between 50% and 90%. This is the second energy-saving initiative the site has embarked on with Thermal Energy, the first being a full site conversion to the Company’s high efficiency, low maintenance [GEM](#)[™] steam traps in 2017.

Originally the manufacturer was looking to recover energy from the dryers located on site. However, due to the level of heat required and emitted by the boilers, Thermal Energy’s calculations showed a better return on investment would be achieved by installing a specially designed [FLU-ACE](#)[®] system on the boiler exhausts. Final sign-off for the project was secured following site visits to observe the technology in operation at both a brewery and a hospital facility.

“This project, with one of the five largest global food and nutrition manufacturers, is a clear example of how adaptable our propriety products are for a range of applications. At the same time, it demonstrates how we apply our engineering expertise across a variety industries and applications to determine the optimal project for the customer” Said William Crossland, CEO of Thermal Energy.

“The commission combines our extensive experience in both the dairy and medical nutrition sector and highlights the diversity of the food and beverage processing market as a whole. This is something we are harnessing as part of our strategic growth strategy, with the sector holding significant potential across the full range of Thermal Energy’s solutions including [FLU-ACE](#)[®], [GEM](#)[™], [HEATSPONGE](#) and [DRY-REX](#).”

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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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 and institutional 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.

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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