



Third GEM Order from Healthcare Company is Thermal Energy's Largest To-Date

OTTAWA, ONTARIO – August 17, 2015 – Thermal Energy International Inc. ("[Thermal Energy](#)" or the "Company") (TSXV: TMG), a global provider of proprietary energy efficiency solutions to the industrial, commercial and institutional sectors world-wide, today announced that it has received a \$520 thousand order for its proprietary GEM steam traps from a world-leading diversified healthcare company. The order is expected to be fulfilled and revenue earned over the next six months.

"This is the largest GEM order we have ever received and the third GEM order from this customer," said William Crossland, CEO of Thermal Energy. "The steam traps being ordered will be replacing mechanical traps from another manufacturer. Our [venturi orifice](#) designed GEM steam traps are engineered and properly sized to maximize the energy saved compared to conventional mechanical traps. As a result, we expect the new traps to be installed from this order to yield additional cost savings of approximately \$494 thousand per year, while reducing the plant's annual carbon emissions by a further 1,366 tonnes annually."

Mr. Crossland said: "All three orders to-date from this customer are for replacing another manufacturer's traps at one site. This customer is a global company with annual revenues in excess of \$50 billion and with many more sites around the world. As such, we hope to win more business from this customer as our relationship continues to develop."

Advantages of GEM steam traps over conventional, mechanical steam traps:

- *Permanent energy savings:* 10% to 30% permanent reduction in steam costs
- *Excellent return on investment:* Payback typically ranges from 1 to 2 years
- *Ultimate reliability:* 10 year No-Fail Performance Guarantee
- *Increased production:* Faster system warm up = quicker batch times
- *Minimal maintenance:* No moving parts = no trap failures = minimal downtime
- *Increased safety:* No water hammer or condensate back-up from failed traps
- *Greater control of heat output:* Self-regulating vs. opening and closing of mechanical trap valves
- *Superior service:* GEM steam traps are individually sized for your requirements

With this order Thermal Energy's order backlog currently stands at approximately \$8.0 million of which approximately \$0.5 million is related to long term contracts and is not expected to be reflected in revenue within the next 12 months. Thermal Energy includes in "order backlog" all purchase orders received for product or services that have not yet been reflected as revenue in the Company's published quarterly financial statements.

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 worldwide. 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 can offer advanced process and applications engineering services.

By providing a unique mix of proprietary products together with process, energy, environmental, and financial expertise Thermal Energy is able to deliver unique and significant financial and environmental benefits to our customers.

Thermal Energy's products include; [GEM™](#) - Steam traps, [FLU-ACE®](#) - Direct contact condensing heat recovery, and [Dry-Rex™](#) - Low temperature biomass drying systems.

Thermal Energy International Inc. has offices in Ottawa, Canada as well as Bristol, U.K., United States, Italy and China. The Company'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 <http://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. 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 backlog 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. Orders in the Company's backlog as described above may not turn into revenue due to many factors, some of which are outside of the Company's control, including but not limited to the Company's ability to deliver products

on time and in accordance with specifications 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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