

## HURON PERTH HEALTHCARE ALLIANCE

FOR IMMEDIATE RELEASE

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### **HPHA Celebrates Combined Heat & Power Project *New Combined Heat & Power Plant will save \$350,000 Annually***

On February 27, 2018 the Huron Perth Healthcare Alliance (HPHA) celebrated its new Combined Heat and Power (CHP) plant at its Stratford General Hospital site which promises to reduce the hospital's average annual utility bill by over \$350,000.

For the past two years, HPHA has been working with WalterFedy, Festival Hydro, Culliton Inc. and EPS AB Energy Canada to develop and implement the CHP project which became operational on January 12, 2018.

"Hospitals are large energy consumers," says Andrew Williams, President & CEO. "With 24/7 energy demand including heating and cooling, the typical hospital uses up to three times the energy of a commercial building. Energy factors, from high costs and a high carbon footprint to the possibility of power losses can have a major effect on the fiscal health of our hospitals."

Combined Heat and Power (CHP) systems – also known as cogeneration systems - simultaneously produce two different forms of energy, heat and electricity from a single input energy. Heat recovered from the plant's internal combustion engine is not released into the air as waste, but instead is used to produce steam and hot water for use in the building, thereby eliminating the additional use of boilers and fuel.

"The energy and financial savings expected from this project are significant and can be redirected to support patient care," adds Williams.

The CHP plant has the capacity to generate 1,137 KW of power for a total electrical output of nearly 9000MWh per year. In comparison, a typical home in Ontario consumes roughly 8 to 10MWh per year. The new plant also provides supplemental on-site generated electrical power in the event of a major extended utility power outage.

The cost of the project is approximately \$2.8 million, but the cost will be offset by \$1 million thanks to an incentive provided by Festival Hydro, through Save on Energy program funds.

"We are very excited to support the installation of this CHP system at the Stratford General Hospital," says Ysni Semsedini, CEO Festival Hydro Inc. "The project is a perfect fit with Festival Hydro's mission to serve our customers in their efforts to innovate and conserve energy. The project will provide energy and financial savings that will benefit the hospital in its service of our community for years to come."



*Photo cutline: Partners in the Combined Heat and Power Project pose during a celebration of the project which included a cheque presentation from Festival Hydro to the Huron Perth Healthcare Alliance.*

#### **Additional Quotes**

“We’ve been working with our project partners over the last two years to get to this day. When we finally turned the system on to full operation, it was exciting to see our electricity meter drop from 1200KW down to 50KW only minutes after the engine started. That same day, one of our main heating boilers automatically shut down because the heat recovered from the CHP engine exhaust and cooling jacket, was replacing that boilers’ output. It was extremely gratifying to actually see the almost instantaneous energy savings and to know that we can reinvest those saving into patient care.”

**Doug Biesinger, Director Facilities Management, Huron Perth Healthcare Alliance**

“As the lead contractor responsible for the installation of the CHP, Culliton Inc. was proud to deliver our quality and value to this leading edge project. Culliton plumbers, electricians, sheet metal workers and HVAC technicians worked together to help HPHA achieve their vision. We congratulate and applaud Andrew Williams and his HPHA leadership team for their forward thinking efforts to find ways to reduce operating costs and ultimately improve the ability of HPHA to deliver outstanding patient care.”

**Tim Culliton, President & CEO, Culliton Inc.**

“EPS AB are proud to have contributed to the state of the art cogeneration plant that is now in operation at the Stratford General Hospital. We thank the hospital for their confidence in our organization and look forward to working closely with the hospital over the next 20 years to make sure the installation delivers maximum energy cost savings.”

**Jan Bujik, CEO EPS AB Energy Canada**

“We wish to congratulate the leadership at Huron Perth Healthcare Alliance in their accomplishment of providing great patient care at Stratford General Hospital with a focus on sustainable facilities management practices. We are proud to be a partner with HPHA in the implementation of the

cogeneration plant and look forward to seeing the results of their vision for energy conservation re-invested to continuously improve the patient care experience at their facilities.”

**Clay Cope, Project Manager, Partner Walterfeddy**

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