The power behind **your mission**

Johnson Controls

Henry Ford College Partners with Johnson Controls to Invest in a Sustainable Energy Future

- *Integrated Energy Master Plan transforms energy use, distribution and supply including metering, control, building upgrades, replacing a 60-year-old network with modern district heating solution and a new Energy Learning Center*
- *The transformed campus serves as a living classroom for learning experiences leading to new career pathways.*
- *Results by 2040 will be at least 60% source energy and 40% water efficiency gains, along with 50% greenhouse gas emissions reduction*

MILWAUKEE (February 28, 2023) – A unique 20-year Performance Partnership between Henry Ford College (HFC) and Johnson Controls (NYSE: JCI), the global leader for smart, healthy and sustainable buildings and neighborhoods, will transform the College's relationship to energy.

The project aims to achieve global excellence in both energy management and career education. With an Integrated Energy Master Plan (IEMP) as the cornerstone of the HFC campus transformation, students will experience an innovative "living classroom" that addresses the accelerating global energy transition in real-time and supports a healthier college, community, and planet.

HFC's collaboration with Johnson Controls incorporates industry-leading HVAC metering and controls and district heating system. The IEMP includes over $23 million in immediate upgrades to every area of the College's energy use and supply. A new, lower-temperature district energy network following global standards replaces the 60-year-old inefficient high-temperature system.

The IEMP sets the stage for breakthrough operational results by HFC's target date of 2040. These include increasing source energy efficiency by 60%, cutting greenhouse gas emissions by at least 50%, and increasing water use efficiency by over 40%. The IEMP also establishes clear expectations for the financial performance of incremental investments. In the few years since the IEMP was approved and the partnership launched, HFC is already on its way to reaching or exceeding these numbers long before the 2040 target date.

The immediate energy transformation of the 75-acre campus affected by the IEMP includes:

- Controls and Metering: Campus-wide system upgrade to allow real-time optimization of the College's energy performance, as well as addressing occupant comfort
- District Heating System: Upgraded system uses pre-packaged energy transfer stations, high efficiency boilers, thermal storage, and integration of heat recovery from combined heat and power plant provided in collaboration with international leaders including Danfoss, Garforth International, Baumann Consulting and Isoplus
- HVAC Upgrades: Extensive improvements to air-handling equipment for better control, comfort and air quality
- Lighting: Upgraded to LED lighting campus-wide
- Solar Photovoltaic (PV) Arrays: Generating clean power from the sun
- Water Conservation: Upgraded water fixtures and toilets
- Xeriscaping: Zero-water landscaping and upkeep
- Building Envelope: Building envelope improvements including roof upgrades

The IEMP also establishes a continuing road map to allow HFC to be on a cost-effective pathway to near zero greenhouse gas emissions including migration to an even lower carbon heating, cooling and power supply portfolio facilitated by modern district energy and advanced campus wide-control.

Future-forward curriculum fosters next generation of energy leaders

With the goal of promoting a sustainable energy culture and serving the global energy transition, the IEMP calls for a brand-new energy-related curriculum that allows HFC students to learn global best practices in real-time by observing and interacting with the College's own systems.

The campus is designed as a "living classroom" to serve as a training ground and showcase for global best practices in energy management and education, providing new career pathways for students interested in entering a rapidly growing field. This includes a one-year major for technicians, a two-year major for project managers and a path to a bachelor's degree in energy production.

Graduating students will enter the workforce prepared for careers that will provide family-sustaining wages and foster financial equity. They will be equipped with skills relevant to the energy transition underway in North America and globally, in turn helping close a major skills gap. The "living classroom" will play a critical role in HFC's strategy to expand its curriculum to include hands-on, energy-focused courses that align with workforce needs.

HFC's curriculum development is supported by the Johnson Controls Community College Partnership Program, a major $15M, 5-year philanthropic investment in community colleges across the country. In the program, institutions are selected for their future-driven focus and proven ability to serve underrepresented groups.

About Johnson Controls

At Johnson Controls (NYSE:JCI), we transform the environments where people live, work, learn and play. As the global leader in smart, healthy and sustainable buildings, our mission is to reimagine the performance of buildings to serve people, places and the planet.

Building on a proud history of nearly 140 years of innovation, we deliver the blueprint of the future for industries such as healthcare, schools, data centers, airports, stadiums, manufacturing and beyond through OpenBlue, our comprehensive digital offering.

Today, with a global team of 100,000 experts in more than 150 countries, Johnson Controls offers the world's largest portfolio of building technology and software as well as service solutions from some of the most trusted names in the industry.

Visit http://www.johnsoncontrols.com for more information and follow @Johnson Controls on social platforms.

About Henry Ford College

Henry Ford College (HFC) in Dearborn, Mich., is a comprehensive, accredited public college serving 12,000 enrolled students. HFC has been successfully preparing students for a rapidly changing world since 1938, and today offers more than 150 high-quality associate degree, career, certificate, and university transfer programs. The College also offers a Bachelor of Science in Culinary Arts and Hospitality Studies, as well as 3+1 programs with university partners. HFC provides customized workforce development training for business and industry. Visit hfcc.edu for more details or look for us on social media.