

**HENRY FORD COLLEGE
OFFICE OF THE PRESIDENT**

BOARD REPORT

SUBJECT: Proposed Technology Investment Fund Project

Listed below is a summary for a project recommended for funding by the Technology Investment Committee (TIC).

Project Director Division/Department	Nature of Request	Approved Funding
Seth Amadei	This initiative seeks funding to replace the outdated stage lighting system in the Adray Auditorium with a modern, energy-efficient, and industry-standard lighting infrastructure. The current system, including the control board and its operating software, is built on obsolete technology that has become increasingly unreliable. The control board is temperamental, difficult to service, and replacement parts are no longer available, creating a significant risk of system failure. In addition, the existing lighting fixtures are outdated and require specialized lamps that are both costly and difficult to source. These fixtures consume excessive energy and generate substantial heat, contributing to higher operating costs and an uncomfortable working environment. The proposed upgrade will replace the current system with a networked DMX lighting control system, along with modern LED lighting fixtures and updated distribution equipment. This transition will significantly improve system reliability, reduce energy consumption, and lower long-term maintenance costs. LED technology will also minimize heat output, enhancing safety and comfort for performers and technical crews. Beyond operational improvements, this upgrade will have a direct and meaningful impact on student learning. Students in theatre, performing arts, and technical production courses will gain hands-on experience with current, industry-standard lighting technology, better preparing them for	\$250,897

	careers in the entertainment and events industries. The new system will allow for more sophisticated lighting design, programming, and creative expression, elevating the quality of campus productions and community performances. Ultimately, this investment will modernize a critical campus performance space, support academic programs across the college, reduce ongoing costs, and provide students with the tools and experience necessary to succeed in a competitive, technology-driven field. <table><tr><td>1</td><td>ETC Ion XE-20 Lighting Console</td></tr><tr><td>Priority</td><td>Item to Purchase</td></tr><tr><td>1</td><td>Dell P2424HT Monitor</td></tr><tr><td>2</td><td>ETC ColorSource Spot</td></tr><tr><td>3</td><td>ETC Lens Tube</td></tr><tr><td>4</td><td>ETC Colorsources Fresnel V</td></tr><tr><td>5</td><td>ETC ColorSource Par</td></tr><tr><td>6</td><td>ETC ColorSource Cyc</td></tr><tr><td>7</td><td>25' DMX Cable</td></tr><tr><td>8</td><td>10' DMX Cable</td></tr><tr><td>9</td><td>ETC PowerCon Jumper</td></tr><tr><td>10</td><td>25' Extension Cord</td></tr></table>	1	ETC Ion XE-20 Lighting Console	Priority	Item to Purchase	1	Dell P2424HT Monitor	2	ETC ColorSource Spot	3	ETC Lens Tube	4	ETC Colorsources Fresnel V	5	ETC ColorSource Par	6	ETC ColorSource Cyc	7	25' DMX Cable	8	10' DMX Cable	9	ETC PowerCon Jumper	10	25' Extension Cord	
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Carolyn Attard	I propose to utilize the Promethean board during classroom lecture to encourage student engagement, create interactive assignments, and allow students to demonstrate radiographic image evaluation with touch-screen technology both in the classroom and the adjoining energized radiology lab. Purchase 2 boards, \$3500 each	\$7,000																								
Brian Kirchner	Historically, among the most challenging earth science concepts for students are those that involve 3-D visualization: topography, geologic structures, river systems and water flow in general, glacial and volcanic landforms, and the like. TopoBox is a teaching tool that would greatly assist students in overcoming this obstacle. It consists of a large table with low walls on all four sides which contains a large quantity of sand. The heart of the tool is the dynamic projection system: an overhead camera that reads the topography of the sand below and feeds the data through a computer to a projector, which projects contour lines and color coding	\$18,260																								

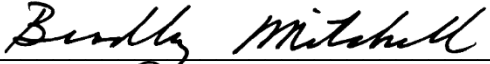
	onto the sand. The result is a three-dimensional map that allows users to easily visualize the relationship between contours and colors, and actual topography. The system is dynamic because the projection responds in real time when users move the sand around. They can make anything they like with the sand and the projection will change accordingly. In addition, users can tell the projection system to create digital "water" that will flow naturally around the existing topography, and the flow will change if the topography changes. Not only is this useful for teaching about water flow, but seeing the movement of water around topography helps users better understand the topography itself. I propose to incorporate TopoBox into the laboratory activities for the following GEOL 131 (Physical Geology) labs: topographic maps, geologic structures, plate tectonics, the ocean floor, shorelines, glaciers, river systems, and volcanoes. In PSCI 131 (Intro to Physical Science), the labs focused on the ocean floor, waves and shorelines, and atmospheric pressure will incorporate TopoBox. In addition, I will create demo videos of various concepts using TopoBox to post online for the benefit of online GEOL and PSCI students. TopoBox will also have application to lab activities in the SCI 212 (Earth Science for Educators) course, which runs several labs that are similar to those in GEOL 131 and PSCI 131. The request is to purchase two topoboxes, at \$9,130 each	
Carla Serfas, Aaron Ramey	The Anatomage Table (Virtual Cadaver) was originally purchased in 2018 through a TIF grant. The newest updates to the software have not been utilized because the current computer cannot run them. Even with the installed software version, the table runs very slowly. The computer's internal hardware (motherboard, CPU, RAM, SSD, GPU, and power supply) needs to be upgraded to accommodate more demanding software versions.	\$6,000

	The ability to run the updated programming can assist us in teaching our students better. The table allows us to show different views of anatomical parts that cannot be seen in lab with models. It also allows us to show that different bodies have variations. It increases students' understanding of the material.	
Fadia Cudry	The chemistry dept currently has one aging drying oven. This requires coordinating lab activities between multiple courses and the oven to be physically moved between three rooms. This project seeks 3 drying ovens to be used for CHEM141, CHEM142, and CHEM243/244. The new ovens will stay in designated labs (J-027, J-023, and G-006) . The other two labs would need to have the ovens moved from one of the other labs; thus 5 ovens will be purchased, so each of the rooms will have a dedicated oven. The request will purchase 5 ovens, so each room will have one, and help prevent potential damage from moving.	\$6,282
	Total Funds	\$317,264

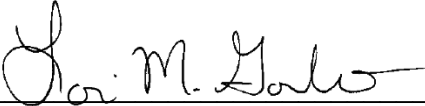
The Technology Investment Committee held an open meeting on March 27, 2026, to hear presentations from Schools/departments requesting funds. The funds beginning balance for the Winter 26 meeting was \$392,020. With the holding of 10% in case of overages, there is \$352,818 available for projects. The committee recommended the Proposals for funding. The projects have also been reviewed by College administration which offers its support. The total value of the TIF projects for which the committee is recommending is \$317,264.

RECOMMENDATION:

The College administration concurs with the Technology Investment Committee and recommends this project be approved for funding by the HFC Board of Trustees.



 Bradley Mitchell
 Interim Vice President & CFO



 Lori M. Gonko Ed.D.
 Interim President

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CONTRACT AWARD

SUBJECT: MillerKnoll Furniture – BEPD

The Dean of the School of Business, Entrepreneurship, and Professional Development (BEPD) requests a contract for the purchase of furnishings and materials for the Residential Electrician, Electrical Engineering Technology, and Residential Plumbing Programs in rooms E-107, E-220, E-224, E-229, E-231, E-234, E-237, and E-239. The current furniture in these spaces is in disrepair and not sufficient to use for instruction and training. Purchasing furniture is necessary to make the rooms functional and ready for use. Appropriate workstations, seating, and storage will support hands-on learning, help organize equipment and materials, and maintain a safe working environment. This is a necessary step to fully utilize the rooms and provide students with a space that supports the programs' instructional goals.

The order includes the following items:

- (40) Cabinets
- (40) Worktables
- (7) Teacher Stations
- (24) Workbenches
- (64) Chairs
- (12) Stools
- (3) Shelving Units

The cost for all furniture, shipping, and installation totals \$148,022.00.

MillerKnoll Furniture products are known for their quality, reliability, warranty, and long-term value. MillerKnoll offers the College exclusive educational discounts through a national contract with the Educational & Institutional (E&I) Cooperative Services and TIPS Purchasing Cooperative (Interlocal Purchasing System). MillerKnoll designated American Interiors as its exclusive dealer in eastern Michigan to service the College's account. The College requests Board approval for a sole source award.

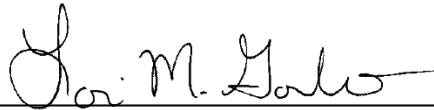
The Gary Peters Workforce 360 Grant will supply 100% of the funds for this purchase.

RECOMMENDATION:

The College administration recommends a contract award to American Interiors for \$148,022.00 for the purchase and installation of MillerKnoll furniture as requested by the Dean of the School of Business, Entrepreneurship, and Professional Development (BEPD), in accordance with Quote dated March 26, 2026.



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BID AWARD

SUBJECT: Mechanical/Electrical Upgrade
Sealed Bid #24362

The Director of Facility Services requests a contract for the labor, materials, equipment and services necessary to modernize and improve the mechanical and electrical systems in room E-160, which is the new battery lab. The room was previously used as a welding laboratory, so many changes need to take place for the space to be utilized efficiently as an EV battery laboratory. Our dedicated Battery Testing Laboratory is a part of the new academic program in Battery Testing Technologies. This facility will provide our students with hands-on opportunities to test battery cells and modules, equipping them with vital technical skills for the growing energy storage and electric vehicle industries.

The project scope includes the following:

- Removal and disposal of all existing electrical items, gas lines, and plumbing lines that were used for welding to prepare the room for the necessary upgrades.
- A new rooftop make-up air (MUA) unit will be purchased and installed.
- Provide and install a new electrical panel and feed breaker.
- New lighting, which includes motion detection and daylight harvesting sensors.
- New smoke detectors for the new MUA unit.
- All other modifications as outlined by the architecture firm (Albert Kahn Associates).

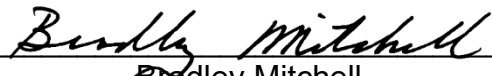
The College invited bid submissions under Sealed Bid #24362. The bid responses appear below. After reviewing the results and interviewing the low bidder, the project design team recommends an award to the low, qualified bidder.

Bidder	Electrical	Mechanical	Total Bid
R Simon Electric	\$115,658.00	Did Not Bid	
Lee Contracting	132,400.00	\$262,250.00	\$394,650.00
De-Cal Mechanical*	Did not provide cost breakdown		630,500.00*
Decima LLC	214,304.52	478,513.02	692,817.54

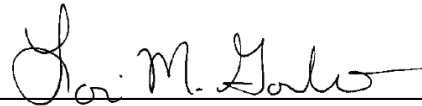
*This bid was disqualified because vendor did not provide signed copies of the three required forms.

RECOMMENDATION:

The College administration recommends splitting the electrical and mechanical work between two qualified firms. This includes a contract award to R Simon Electric for the electrical portion of this project for \$115,658.00 and a contract award to Lee Contracting for the mechanical portion of the project for \$262,250.00 for the Battery Lab Mechanical/Electrical Upgrade project, as requested by Facility Services in accordance with the specifications of Sealed Bid #24362.



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CONTRACT AWARD

SUBJECT: Residential Plumbing Training System Platforms

The Dean of the School of Business, Entrepreneurship, and Professional Development (BEPD) requests a contract for the purchase of (2) PLMB-200 Toolkit Technologies Residential Plumbing Training System Platforms. The PLMB-200 Series Training system provides students with hardware allowing for installation and connection of various residential plumbing fixtures and devices around a complete room/area in a residential setting. This system gives access to onboard components simulating real world installations, which will provide students with situations they will face in the workforce.

The platforms include the following two systems that can be used individually or connected together for whole house connectivity:

- Utility Room System: Water Heater, Water Service/Distribution, and Clothes Washer Plumbing and Drain
- Bathroom System: Lavatory, Toilet, and Shower Installation

The Dean of BEPD worked directly with Toolkit Technologies to design the proposed systems. Toolkit Technologies based its pricing on a contract with TIPS Purchasing Cooperative, a group purchasing organization used by the College. Both the State of Michigan (Act 451 of 1976, Sec.1274.3) and the Board (Administrative Guideline 6320, Paragraph H) encourage the use of cooperative and/or group purchasing agreements.

The Gary Peters Workforce 360 Grant will supply 100% of the funds for this purchase.

RECOMMENDATION:

The College administration recommends a contract award totaling \$66,400.00 to Toolkit Technologies for Residential Plumbing Training System Platforms, as requested by the Dean of BEPD in accordance with Toolkit Technologies quote dated May 7, 2026.

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CONTRACT AWARD

SUBJECT: Residential Electrical Training System Platforms

The Dean of the School of Business, Entrepreneurship, and Professional Development (BEPD) requests a contract for the purchase of (8) EW-101 Toolkit Technologies Residential Electrical Training System Platforms. The EW-101 Series Training system provides students with a training tool to learn the fundamental concepts of residential wiring. This double-sided, hands-on training system gives students safe and approachable access to wire various circuits and devices commonly found in real world settings.

The systems include the following two modules:

- Residential Wiring Focus: 12 circuit load center, pole breakers, switches, receptacles, lighting fixtures, and smoke detectors
- HVAC Electrical Wiring Focus: Integrated power bus, electrical wiring components, transformers, relays, heat sequencer, and indicator lights

The package also includes (8) 60" x 30" heavy duty workbenches that will be used in the classrooms to hold the systems. The workbenches have casters to allow them to be moved around the classroom or to other classrooms, if needed.

The Dean of BEPD worked directly with Toolkit Technologies to design the proposed systems. Toolkit Technologies based its pricing on a contract with TIPS Purchasing Cooperative, a group purchasing organization used by the College. Both the State of Michigan (Act 451 of 1976, Sec.1274.3) and the Board (Administrative Guideline 6320, Paragraph H) encourage the use of cooperative and/or group purchasing agreements.

The Gary Peters Workforce 360 Grant will supply 100% of the funds for this purchase.

RECOMMENDATION:

The College administration recommends a contract award totaling \$84,330.00 to Toolkit Technologies for a Residential Plumbing Training System Platforms, as requested by the Dean of BEPD in accordance with Toolkit Technologies quote dated May 7, 2026.

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CONTRACT AWARD

SUBJECT: Medication Dispensing System

The Dean of the School of Business, Entrepreneurship, and Professional Development (BEPD) requests a contract for the purchase of a BD Pyxis MedStation ES medication dispensing system. The MedStation is an automated medication dispensing system supporting decentralized medication management. It helps clinicians safely and efficiently dispense the right medications, for the right patients at the right time.

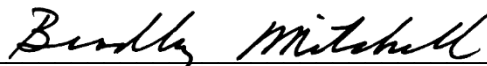
The MedStation allows secure entry via login or card scanner, and it can store hundreds of medications. Since it is connected to a computer, the system can track entries and disbursements of medications that allow automatic communication between nurses and pharmacists to ensure the correct items are always available. This system will provide our nursing students with the type of technologies they will use in hospitals and doctors' offices.

Medical Shipment is the sole source provider of this technology from BD (the manufacturer), and they based their pricing on a contract with TIPS Purchasing Cooperative, a group purchasing organization used by the College. Both the State of Michigan (Act 451 of 1976, Sec.1274.3) and the Board (Administrative Guideline 6320, Paragraph H) encourage the use of cooperative and/or group purchasing agreements.

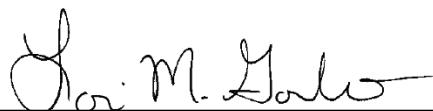
The Gary Peters Workforce 360 Grant will supply 100% of the funds for this purchase.

RECOMMENDATION:

The College administration recommends a contract award totaling \$98,899.00 to Medical Shipment for a Medication Dispensing System, as requested by the Dean of BEPD in accordance with Medical Shipment quote #S133883 dated April 21, 2026.



Bradley Mitchell
Interim Vice President & CFO



Lori M. Gonko, Ed.D.
Interim President