Agenda Item 11.4
September 21, 2022

Macomb Community College
14500 Twelve Mile Road, Warren, MI 48088

ACTION REPORT: Board Resolution – Local Strategic Value Best Practices

In accordance with the required state reporting per the omnibus public education bill that includes appropriations for Macomb Community College, one of the components is performance funding based on "local strategic value," which is defined further in the best practices grid shown below. There are three best practice categories: 1) economic development and business or industry partnerships; 2) educational partnerships and 3) community services. In each category, there are five standards of local strategic value, called "best practices." The law has required the Macomb Community College Board of Trustees to pass a resolution certifying that the college meets at least four out of five of the best practices listed under each of the three categories on the grid.

Macomb Community College not only meets but actually exceeds the best practice standards by meeting all five of the standards in each of the three categories. This is demonstrated in the grid that follows.

RECOMMENDATION OF ADMINISTRATION:

It is the recommendation of Administration that the Board of Trustees adopt the attached Resolution Regarding Best Practices.

Office of the President
Office of General Counsel
September 21, 2022

Community Colleges Local Strategic Value Template

Please use this table as a method to **briefly** detail what your community college is doing to meet the best practices in each category. Each category is worth one-third of the total amount available for your institution. Your institution must meet 4 out of 5 best practices in a category to receive funding associated with that category.

Best Practices by Category		Examples of Adherence
Category A: Economic Development and Business or Industry Partnerships (must meet 4 of 5)		
(i)	The community college has active partnerships with local employers including hospitals and health care providers.	Macomb is involved in many active partnerships with employers in a vast set of sectors from automotive, aerospace, defense, health care, service, and agriculture. These partnerships span from active advisory committees to ensure programs produce appropriately skilled graduates, to collaborative training engagements for both incumbent and access to high-demand jobs for potential employees. Opportunities are: • Clinical placements at many different hospitals and health care providers for our eight health care programs, and police and fire municipalities for our Police and Fire Academies. • Providing GM Control Design Standards Education to GM staff and suppliers throughout the world. • Partnering with the Department of Defense via TACOM and GVSC for training centered around Industry 4.0 technologies and leadership training throughout the U.S. • Over 350+ employers have been engaged with the Workforce Continuing Education – Engineering Advanced Technology (WCE-EAT) for multiple training opportunities and hire graduates from our accelerated programs.
(ii)	The community college provides customized on-site training for area companies, employees, or both.	Macomb provides customized training programs and assessment services offered onsite for employers. Each year, Macomb helps businesses from small start-ups to fortune 500 companies improve their performance and profitability through workforce solutions that encompass innovative industrial and technical training, health and safety training, and professional development. In 2020, many of these training opportunities were converted to online learning platforms during the pandemic. As we begin to welcome students back on campus, the onsite

Best Practices by Category	Examples of Adherence
	training will include best practices from the year spent virtual. The Workforce Assessment Center now offers FANUC Operator 1 and AutoDesk-Fusion 360 exams to support Automated Systems Training. Simulation laboratory at Macomb Community College support various Health and Public service Program students' success outcomes and provides a platform for interdisciplinary activities with Michigan State School of Osteopathic Medicine and training ground for many regional hospital systems. The laboratory is equipped with 8 high fidelity simulation mannequins, virtual reality and immersive experience that is complemented with a 3D printer capability to meet physiologic precision modeling need. Millwrights Local 1102, located in Macomb County, began working with Macomb Community College in 2015 to use WorkKeys as the entrance exam into their apprenticeship program. In 2019 the combined Carpenters and Millwrights Joint Apprenticeship Training Fund contracted with Macomb Community College to conduct the WorkKeys assessment as entrance into their apprenticeship programs statewide (all of Michigan including the Upper Peninsula). The Workforce Assessment Center conducts various testing options for companies located in Macomb County. Some of the companies included: • L&L Products, Romeo MI: NOCTI Assessments, to validate job specific skills for purposes of hiring and promoting • Mitsubishi Chemical Performance Polymers, Warren, MI: WorkKeys assessments used for hiring and promoting • Tower International, Clinton Township, MI: Differential Aptitude Test (DAT) for current employees entrance into apprenticeship programs,

Best Practices by Category	Examples of Adherence
	Macomb Community College continues the agreement with the Smart Automation Certification Alliance (SACA) and ATS Midwest, supporting the college's efforts in aligning its education and training to meet the realities of Industry 4.0. Considered the fourth major disruption in modern manufacturing, Industry 4.0 represents the convergence of technologies, such as robotics, big cloud data, artificial intelligence and cybersecurity, that is reshaping the way things are made. Students completing Macomb's advanced manufacturing programs will earn SACA certification, which is currently the only agency focused on comprehensive Industry 4.0 certifications. M-TEC offers training on the latest industry-specific equipment in body-shop, paint, general assembly, stamping and powertrain. In addition, the College offers automated systems training that includes FANUC and ABB robots, laser alignment, CMM, RFID, FANUC CNC Robodrill, robot load/unload and vision system, VFD training stations, AB and Siemens PLC training stations, and more. The College provides support for the following: • Facilitate the use of the Michigan New Jobs Training Program-MNJTP. Designed as an economic development tool, the Michigan New Jobs Training Program allows community colleges to provide free training for employers that are creating new jobs and/or expanding operations in Michigan. The training for the newly hired workers is paid by capturing the state income tax associated with the new employees' wages. This is a local program - individual community colleges work directly with employers and local economic development to support job creation. There are no restrictions by industry or employer size. Macomb has 16 approved applications and 4 waitlisted companies. • Apprenticeship testing for local unions and companies. • Continued the partnership with the Department of Defense to provide training and assistance to companies for the DOD Cybersecurity Maturity Model

Best Practices by Category	Examples of Adherence
	Certification (CMMC). An informational event was held virtually in March. • ESL classes to the Chaldean Community Foundation and CIE USA • Delivered Leadership Development Training to Oerlikon, JVIS, Stahls and TACOM • HAZWOPER Training for DTE, Fiat-Chrysler, Wayne State University and Mold Tech.
(iii) The community college supports entrepreneurship through a small business assistance center or other training or consulting activities targeted toward small businesses.	The college operates a Center for Innovation and Entrepreneurship (CIE), serving both students and community members, which is a one-stop resource for small business mentoring, education, and idea incubation. The CIE also recently launched the Faculty in Residence (FIR) program and continues to hire faculty to mentor students and assist in bridging the classroom experience with the entrepreneurial mindset. Over 1,200 students have participated in educational opportunities and paid internships with companies who were funded by the Macomb Community College Innovation Fund. Macomb also has very strong relationships with the county's Small Business Development Center, the Economic Development Department and regional entrepreneurial resources. An Entrepreneurship Certificate is offered through Continuing Education. Completion of the certificate leads to earning 3 elective credits toward a degree in general business. In addition, Macomb now offers an Entrepreneurship and Small Business Management Associate Degree.
(iii) The community college supports technological advancement through industry partnerships, incubation activities, or operation of a Michigan technical education center or other advanced technology center.	Macomb has a full service and well equipped Michigan Technical Education Center (M-TEC) which focuses on customized and standardized training programs and economic development support for area companies. The College has also forged a strong partnership with Haas (a major CNC equipment manufacturer) and is designated as a Haas Technical Education Center. This partnership provides the college with the new CNC machines on a rotating basis at no cost.

Best Practices by Category	Examples of Adherence
	With over 400,000 robots installed, FANUC is the largest supplier of robots worldwide. The College provides the industry recognized FANUC CERT. Partnering with Siemens, FANUC, SACA, AWS, NIMS and MSSC for embedding their national credentials within our credit and non-credit programs.
(v) The community college has active partnerships with local or regional workforce and economic development agencies.	The College has developed numerous active partnerships with local agencies. Macomb is a member of the Workforce Intelligence Network (WIN) a consortium of 9 community colleges and 7 workforce agencies. Macomb is also a foundation member of Automation Alley and is actively engaged in the county's 4M group that includes Macomb County, Macomb Community College, MEDC and MiWorks working to attract, grow and retain business. The College is a member of SEMCOG (Southeast Michigan Council of Government) and is an active member of their regional economic development task force and the talent task force. The College has a representative to the Department of Defense's Cornerstone OTA to further support the DoD's industrial base analysis and sustainment project that looks too sure up the U.S. labor force that supports the defense supply chain. Partnership with the Detroit Regional Chamber to collaborate on the Detroit Promise Path program for incoming students graduating from Detroit high schools. As part of the work with the Detroit Regional Chamber Macomb is participating in the Detroit Drives Degrees Community College Collaborative. This collaboration is a cross-sector collaborative that elevates the role of community colleges in working towards regional talent pipeline transformation in Southeast Michigan. Three clusters of work propel this initiative towards our goals: 1) student success, 2) K-12 alignment, and 3) employer-led sector pathways. In partnership with critical cross-sector stakeholders across all three clusters, community colleges are being funded to 1) implement college-level, systemic-level strategies aligned with D3C3 goals and 2) participate in the

Best Practices by Category	Examples of Adherence
	D3C3 learning community and collaborative regional strategy development and implementation. Macomb partners with regional Hospital Systems, Beaumont Health, Henry Ford Macomb, McLaren Macomb, and Ascension, to provide clinical training needs for students and build apprentice programs to benefit stackable credentials application in meeting workforce needs.
Category B: Educational Partnerships (must meet 4 of 5)	
(i) The community college has active partnerships with regional high schools, intermediate school districts, and career-tech centers to provide instruction through dual enrollment, concurrent enrollment, direct credit, middle college, or academy programs.	In the 2021-22 academic year, Macomb had 865 high school dual enrolled students as well as 55 students participating in an early college partnership. The Early College of Macomb had 718 high school students enrolled in grades 11 – 13. At the end of the 2021-22 academic year, the graduating cohort had 224 students with 162 of those graduates earning an associate degree as of May 2022. The College currently has 181 high school articulation agreements. As a consortium member in the Macomb Classroom to Career Talent Consortium, Macomb Community College has entered into a five-year agreement to participate in the Marshall Plan for Talent Grant with three Macomb County school districts; Armada, Center Line, and Fraser. Macomb will offer credit for prior learning opportunities to high school students with a clear pathway to an industry recognized certificate in Medical Assisting.
(ii) The community college hosts, sponsors, or participates in enrichment programs for area K-12 students, such as college days, summer or after-school programming, or science Olympiad.	In January-March of 2022, Macomb hosted a series of virtual *Discover Macomb* events that brought students from across Macomb County to six sessions online that explored Macomb's different academic offerings, transfer opportunities, and admissions information. Science Olympiad events ran as scheduled this year. The 2022 middle/high school event took place on March 19, and the elementary school competition ran on May 14.

Best Practices by Category	Examples of Adherence
	Ten scholarships were awarded to participating high school students. As in past years, these scholarships were sponsored by the ZF Company. Since 2015 the College has partnered with the County and all of the county's school districts to host a Macomb Diversity Summit inviting 8 – 11 graders to discuss embracing the cultures in their schools and how that is important for the future success of our county and state. In 2021, due to uncertainty with COVID, the summit was again held virtually with over 600 students participating. Services from the Reading and Writing Studios and Learning Centers continued during the COVID-19 pandemic in a virtual setting at first and then resumed in person in 2021. The team at the RWS has been working to resume and expand the relationships and services for area K-12 programs. In Spring 2022, in collaboration with Felecia Scott, Center Campus Biology Professor, the Center Campus Learning Center space was used for local elementary students to study for the "A is for Anatomy" Science Olympiad event.
(iii) The community college provides, supports, or participates in programming to promote successful transitions to college for traditional age students, including grant programs such as talent search, upward bound, or other activities to promote college readiness in area high schools and community centers.	In the 2022-23 academic year, the admissions office hosted over 40 virtual and in-person events for prospective students. These events included financial aid seminars, campus tours, assistance with the admissions and registration process, ask an admissions recruiter, adult learner/returning learner focused, and many more sessions catered to prospective and new students to Macomb. Finally, our admissions & outreach coordinators completed 49 virtual and in-person visits to local high schools and middle schools, as well as attending over 16 virtual college and career fairs.
(iv) The community college provides, supports, or participates in programming to promote	Macomb's efforts support successful transitions to college for new and reentering adult students. Examples include:

Best Practices by Category	Examples of Adherence
successful transitions to college for new or reentering adult students, such as adult basic education, GED preparation and testing, or recruiting, advising, or orientation activities specific to adults.	Participation in the Futures for Frontliners and Michigan Reconnect programs, orientation that is designed to help students discover essential information, transition to Macomb campus life and prepare for a quality learning experience. Academic advising is designed to assist students who have identified an educational/career goal. Through walk-in, virtual and on ground appointments, phone calls and email inquiries, academic advisors provide general college information to prospective, new and current students. In addition, Academic Advisors assist students with the registration process, transfer information, and assistance with the placement process that support taking appropriate courses based on the results. Macomb is identified as a partner by the Lumina Foundation as part of their Talent Hub for the Detroit metropolitan area and is working under the Detroit Drives Degrees initiative with its partners.
(v) The community college has active partnerships with regional 4-year colleges and universities to promote successful transfer, such as articulation, 2+2, or reverse transfer agreements or operation of a university center.	Macomb's University Center houses ten university partners, offering bachelor's, master's, and doctoral degrees in nearly 50 programs including the Michigan State University College of Osteopathic Medicine. In addition to maintaining over a hundred articulation agreements, Macomb Community College currently has ten reverse transfer agreements in place with universities and colleges across Michigan. As of the 2020-2021 academic year, the number of students being serviced at the Macomb University Center was over 2,000. This number is lower than it has been in recent years due to many university partners temporarily canceling University Center classes in response to the Covid-19 pandemic, and the health risk it posed to students. As of Fall 2022, health risks are now lower and university partners are beginning to reschedule on-ground classes at the University Center, signaling an upward enrollment trend. **2021 – NEW ARTICULATIONS** Ferris State University – BS in Information Security & Intelligence/AAS in IT-Cybersecurity (77 credits);

Best Practices by Category	Examples of Adherence
	Ferris State University – BS in Psychology/AA in Pre-Psychology (78 credits); Western Governors University – BS in Nursing/AAS in Nursing (87 credits) **2022 – NEW ARTICULATIONS** Eastern Michigan University – BS in Mechanical Engineering/AS in Pre-Engineering (74 credits); Madonna University – BSBA in Global Supply Chain Management/ABA in Global Supply Chain Management (90 credits); University of Michigan-Dearborn – BS in Public Health/AAS in Health & Wellness Promotion (72 credits) **2021 – RENEWED ARTICULATIONS** Eastern Michigan University – BBA in any Business Major/ABA in various programs (82 credits); Ferris State University – BS in Business Administration-Professional Track/Any Macomb degree (90 credits); Ferris State University – BS in Health Information Management/AAS in Health Information Technology (90 credits); Oakland University – BS in Business Administration/ABA in General Business (86 credits); Wayne State University – BS in Business Administration/ABA in various programs (82 credits); Wayne State University – BS in Mechanical Engineering/AS in Pre-Engineering (64 credits) **2022 – RENEWED ARTICULATIONS** Eastern Michigan University – BS in Nursing/AAS in Nursing (94 credits); Oakland University – BS in Human Resource Development/Associate of General Studies (64 credits); Oakland University – BSW Social Work/AA in Pre-Social Work (72 credits); University of Michigan-Flint – BBA Business Administration/Any ABA (86 credits) Macomb operates the Center for Advanced Automotive Technology (CAAT). This center facilitates industry and academia collaboration and is also a partnership with Wayne State University and the MISD to provide 2+2+2 articulation.
Category C: Community Services (must meet 4 of 5)	
(i) The community college provides continuing education programming for leisure, wellness,	Workforce and Continuing Education classes provide

Best Practices by Category	Examples of Adherence
personal enrichment, or professional development.	job skills, professional development and opportunities for personal growth to all community members. Macomb assists organizations with training needs that provide both standardized and customized training opportunities for businesses. The college has assisted small start-up Fortune 500 companies improve their performance and train their workforce in job skills. A catalog of offerings is distributed throughout the county three times per year and includes art, acting, English as a second language, foreign language, social media, administrative assistant, educator professional development, photography, floral design, and wellness programs. WCE-EAT offers a series of open enrollment technical and quality related offerings focusing on the small to midsize employers in the county. Separate pathways have been developed for Automated Systems; Quality and CAD. The Macomb Organization for Retiree Enrichment (MORE), a lifelong learning initiative presented by Macomb Community College, will offer 58 courses during its fall semester beginning in October and running through November. The courses range from local history to politics and government to science and nature. Public Service Institute (PSI) maintains constant contact with Law Enforcement, Fire Service Agencies, and Emergency Medical Service Agencies throughout the year to ensure the college is meeting the professional development needs to our community of interest. Public Service Institute (PSI) maintains an ongoing relationship with area police, fire and emergency medical service agencies. This includes membership in both the Macomb County Police Chiefs and Fire Chiefs associations. PSI provides online/virtual continuing education training to area police departments and area fire departments utilize our fire training facility for ongoing professional development. The PSI is currently in discussion with the Macomb County Fire Chiefs to explore hybrid advanced fire training combining online didactic coursework combined with hands on training at the PSI fire training center. The PSI conducts an annual police/fire leadership course designed to prepare police and fire personnel for promotion to command level ranks in their organizations. The PSI partners with Macomb County Emergency Management to host National Incident Management

Best Practices by Category	Examples of Adherence
	System (NIMS) courses that are FEMA mandated for municipalities. The college's Center for Health Careers offers over 100 online continuing education courses for health and education professionals, wellness courses for personal enrichment, and professional development recognized by industry-relevant partnerships. The Colleges Dental Science area provides continuing education opportunities to local dental community and provide professional training recognized by industry relevant credential for dental assistants.
(ii) The community college operates or sponsors opportunities for community members to engage in activities that promote leisure, wellness, cultural or personal enrichment such as community sports teams, theater or musical ensembles, or artist guilds.	In the spring of 2022, the college launched the Cultural Advisory Committee composed of arts and culture leaders from the college and throughout the region. This committee was formed to foster collaborations, support diversity initiatives, identify cultural needs within the community and foster engagement with both internal and external constituents. Annually, the college co-produces a Musical Theatre Workshop for students in grades 5-12 in collaboration with All the World's a Stage and provides summer workshops in music and drama for K-12. The college also offers show choirs for middle school (Garfield Singers), high school (Magic Company) and for the college students, the Macombers. These activities were reinstated at full capacity following the COVID pandemic. All the education workshops were at or near capacity for 2022. Macomb routinely offers children's chorus for grades 2-9; supports an art gallery dedicated to student work, along with that of the community. In 2021-22 we celebrated poetry with the Macomb Festival of Words featuring a workshop and performance by a visiting poet and are working with the Stratford Festival on workshops and digital presentations. The Macomb Center offers a series of performances that promote learning and connect with curriculum. Each show has a study guide for educators to be able to extend the experience of the performance with activities and lessons in the classroom. This season there are shows that promote literature, science and history. One of the performances is also being presented as a sensory friendly

Best Practices by Category	Examples of Adherence
	event for individuals and families dealing with autism and other sensory challenges. A partnership with the Detroit Institute of Arts featured programming for Die de Los Metros as well as the exhibit American Spectacle. The Macomb Center for the Performing Arts and the Lorenzo Cultural Center have partnerships with many local and regional organizations to host and co-produce events. These include the Michigan Opera Theatre, Macomb Symphony, All the World's a Stage, Detroit Institute for the Arts, Macomb Ballet Company, PRISM Men's Chorus and the Warren Symphony. The Lorenzo Cultural Center has developed a partnership with the National Geographic Society to present a multi-media series. In 2022-23, there are three presentations that focus on exploration, discovery, science and feature leading female explorers, that will include evolutionary biology, anthropology, photography, oceanography, natural resources and conservation.
(iii) The community college operates public facilities to promote cultural, educational, or personal enrichment for community members, such as libraries, computer labs, performing arts centers, museums, art galleries, or television or radio stations.	The Macomb Center for the Performing Arts and Albert Lorenzo Cultural Center are currently undergoing a significant audio-visual renovation to better serve the needs of the college and local community. Included are upgrades that will facilitate live streaming of events in either facility In 2021-22, through the Lorenzo Cultural Center, the college offered a broad array of enrichment, cultural and historical programs, including an exhibit on different cultural foods, Day of the Dead Celebration; an exhibit and programs of "Freshwater Seas; Powering Americas Progress". For 2022-23 there will be an exhibit and program series "Creative Michigan: Making the Mitten Modern and a photography exhibit "Front Row Center" featuring iconic photography of popular music performers and performances. The Macomb Center for the Performing Arts typically offers 30+ professional main stage touring performances annually. Collaborations with community partners and local arts group result in an additional 50+ performances each year. These along with college events, lectures and rentals result in 200+ events each year that are open to the public with an additional 125+ exhibits, community, and college events at the Albert Lorenzo Cultural Center

Best Practices by Category	Examples of Adherence
	This past year, Macomb Community College continued the Jim Jacobs Legacy Project to bring nationally prominent speakers to Macomb County to stimulate discourse on contemporary issues and promote civic engagement. In 2021-22, the legacy project brought Ron Insana and Stephanie Mehta to discuss the financial and social impacts of the COVID pandemic. Both spent time interacting with students and doing presentations open to the public. These sessions were offered both in-person and streamed online.
(iv) The community college operates public facilities to promote leisure or wellness activities for community members, including gymnasiums, athletic fields, tennis courts, fitness centers, hiking or biking trails, or natural areas.	Macomb has athletic fields, tennis courts and a nature center at each campus. The Center Campus nature center offers hiking trails.
(v) The community college promotes, sponsors, or hosts community service activities for students, staff, or community members.	Macomb sponsors events such as MLK Day of Service, the Veterans Day celebration, as well as numerous service learning/volunteer opportunities through the Student Life and Leadership office as well as through the service-learning coordinator. All of these events were continued even during the pandemic and are now offered in both virtual and in person options. Macomb offers a certificate program focused on community learning which includes internships with service organizations and government agencies. This program also incorporates service hours at non-profits in the region.

11.3B Electronic Budget Software

MOTION by DiMaria, supported by Cusumano, that the Board of Trustees authorize the Administration to enter into a 3-year contract, upon the approval of General Counsel, with Questica of Pasadena, California to provide electronic budget software to automate the budget processes in an amount not to exceed $258,800.

DISCUSSION: Trustee Flynn said she talked to Ms. Gerri Pianko, director of budgets and grants, and Ms. Pianko said the vendors communicate through virtual meetings and that there isn't a vendor in Michigan that can handle this.

ROLL CALL VOTE:

AYES: DiMaria, Cusumano, Flynn, Vitale, Viviano, Lorenzo

ABSENT: Dean

NAYS:

MOTION CARRIED.

11.3C IT Security Managed Services

MOTION by DiMaria, supported by Vitale, that the Board of Trustees authorize the Administration to enter into a 3-year contract, upon the approval of General Counsel, with Ferrilli, Inc. of Haddonfield, New Jersey to provide IT Security Managed Services in a total amount of $900,000.

DISCUSSION: Trustee Cusumano made the comment at the information session that he was very impressed by the presentations, including the by Mr. Zimmerman and thanks him for his preparation and clarity in describing this action item. Trustee Flynn said she talked to Mr. Zimmerman too and he said the two people working on this live in Michigan and will be on hand when necessary.

ROLL CALL VOTE:

AYES: DiMaria, Vitale, Cusumano, Flynn, Viviano, Lorenzo

ABSENT: Dean

NAYS:

MOTION CARRIED.

11.4 Board Resolution – Local Strategic Value Best Practices

MOTION by Cusumano supported by Flynn, that the Board of Trustees adopt the attached Resolution Regarding Best Practices.

DISCUSSION: Trustee Cusumano understands from a discussion with the president that this part of Public Act 265.

ROLL CALL VOTE:

AYES: Cusumano, Flynn, DiMaria, Vitale, Viviano, Lorenzo

ABSENT: Dean

NAYS:

MOTION CARRIED.