

APPROVED MINUTES

TWO HUNDRED AND EIGHTY SEVENTH MEETING

of the

EXECUTIVE COMMITTEE

of the

MASSACHUSETTS TECHNOLOGY PARK CORPORATION

April 24, 2024
Zoom Videoconference

The Two Hundred and Eighty Seventh Meeting of the Executive Committee of the Board of Directors of the Massachusetts Technology Park Corporation (“Mass Tech Collaborative” or “Mass Tech”) was held on April 24, 2024, via Zoom videoconference pursuant to notice duly given to the Directors and publicly posted on the Mass Tech Collaborative website with corresponding notice provided to the Office of the Secretary of State and the Executive Office for Administration and Finance.

The following members of the Mass Tech Collaborative Executive Committee were present and participated: Secretary of Economic Development Yvonne Hao, Pamela Reeve, Julie Chen, Rupa Cornell, Paige Fetzer-Borelli, Bogdan Vernescu, and Joe Dorant. The following member of the Mass Tech Board of Directors was present and participated: Tye Brady.

The following members of the Mass Tech Collaborative staff were present: Carolyn Kirk, Michael Baldino, Keely Benson, Mark Halfman, Pat Larkin, Ben Linville-Engler, Marc Leonetti, Christine Nolan, Dana Nolf, John Petrozzelli, Jennifer Saubermann, Brianna Wehrs, Rachel Stachowiak, John Wetzel, Joseph Downing, Kelly Kleanthous, Jody Jones, Richard Cook, James Byrnes, Jason Hoch, Kathryn Downes, Lily Fitzgerald, Karen Jenkins, Sharron Wall, Josh Eichen, Cornell Robinson, and Paula Foley.

Also in attendance were Gaby Goldstein, Deputy Undersecretary for Economic Strategies for the Executive Office of Economic Development; and Steve Baker, Director of Broadband and Digital Equity for the Executive Office of Economic Development.

Ms. Saubermann observed the presence of quorum and Secretary Hao called the meeting of the Mass Tech Executive Committee to order at 2:02 p.m.

Agenda Item I Report of the Board Chair

Secretary Hao began by providing an update on the progress of the Mass Leads Act, the proposed legislation enacting provisions of the Economic Development Plan. Secretary Hao noted that the legislation was filed on March 1, 2024, and the Legislature has scheduled a hearing date. Secretary Hao noted that discussions on the bill will continue throughout the May – July legislative

session. There are provisions included the bill, explained Secretary Hao, for many of the initiatives underway at Mass Tech, including advanced manufacturing, AI, and quantum tech hub expansion. Secretary Hao then introduced and welcomed Ms. Gaby Goldstein, who has recently joined the Executive Office of Economic Development as Deputy Undersecretary for Economic Strategies. In closing, Secretary Hao discussed a recent event at the new Amazon Robotics Warehouse in North Andover, attended by Governor Healey, Lieutenant Governor Driscoll, and Secretary Hao. Secretary Hao then turned to review and approval of the minutes of the most recent Executive Committee Meeting.

Agenda Item II Approval of Minutes

After a brief period of discussion and upon a motion duly made and seconded, it was unanimously and without abstention VOTED by a roll call vote:

The Executive Committee of the Board of Directors of the Massachusetts Technology Park Corporation, acting on behalf of the full Board pursuant to section three of Chapter Forty J of the General Laws of the Commonwealth, hereby adopts the Draft Minutes of the Two Hundred and Eighty Sixth Meeting of the Executive Committee, held on February 26, 2024, by Zoom videoconference, as the formal Minutes thereof.

Secretary Hao then asked Ms. Kirk for her report.

Agenda Item III Report of the Chief Executive Officer

For the Chief Executive Officer report, Ms. Kirk provided a high level overview of the activities of the last six months. Ms. Kirk indicated that this period has been an extremely busy and productive time at Mass Tech. Ms. Kirk stated that, in that short amount of time, Mass Tech has created and staffed an entirely new division, the Northeast Microelectronics Coalition (“NEMC”) Hub. Ms. Kirk noted that leadership positions in the new Mass Tech division have now been filled and the NEMC Hub recently filed fifteen (15) proposals with NSTXL and the Department of Defense on behalf of its coalition members. In addition, Ms. Kirk indicated that an additional \$9.8 million is on its way to Mass Tech from NSTXL. Ms. Kirk also noted that during this time, Mass Tech has brought on a new Chief Financial Officer, Marc Leonetti, who she believes has hit the ground running. Ms. Kirk closed her report by noting the lengthy agenda for today’s meeting and then turned the discussion over to Mr. Larkin for presentation of the next two (2) agenda items.

Agenda Item IV Innovation Institute – Collaborative Research & Development Matching Grant Programs: Massachusetts Green High Performance Computing Center and QuEra Computing, Inc. for the Quantum Center of Massachusetts (motion item)

Mr. Larkin began the presentation by providing a timeline of quantum ecosystem and development work in Massachusetts. Beginning in 2022, explained Mr. Larkin, Mass Tech has been on the forefront of quantum initiatives with the creation of the Pioneer Valley Quantum Innovation Tech Hub Consortium. Mr. Larkin noted that Secretary Hao’s proposed Mass Leads Act cites quantum information sciences and technology as a priority sector and proposes \$75 million for MassTech to support both the quantum and bioindustrial manufacturing sectors. Mr.

Larkin then asked Ms. Sharron Wall to present the motion items.

Ms. Wall explained that the Innovation Institute was requesting approximately \$5 million to fund Massachusetts Green High Performance Computing Center (“MGHPCC”) and their partner QuEra Computing, Inc. as part of a two (2) year project to establish the Quantum Center of Massachusetts. Ms. Wall explained that this funding would support the purchase and installation of a dedicated, best-in-class neutral atom quantum computer/quantum machine, and the build out necessary for its installation within MGHPCC’s existing infrastructure. Ms. Wall stated that this effort will support the Pioneer Valley Quantum Innovation Tech Hub as well as strengthen the quantum ecosystem as a whole within the Commonwealth.

After a period of discussion and upon a motion duly made and seconded, it was unanimously and without abstention VOTED by a roll call vote:

The Executive Committee of the Board of Directors of the Massachusetts Technology Park Corporation (“Mass Tech Collaborative”), acting pursuant to the authority delegated under Chapter 40J of the General Laws of the Commonwealth, does hereby authorize a grant award under the Collaborative Research Matching Grant Program (RFP 2022-JAII-04), in an amount not to exceed \$4,994,520, to the Massachusetts Green High Performance Computing Center (MGHPCC) for The Quantum Center of Massachusetts proposal. The grant award is to be funded through the Scientific and Technology Research and Development Matching Grant Fund (M.G.L. Chpt. 40J, Sec. 4G), and is subject to the execution of a grant agreement in a form and with terms approved by Mass Tech Collaborative’s Chief Executive Officer.

Agenda Item V Innovation Institute – Collaborative Research & Development Matching Grant Programs: UMass Boston and Western New England University; Expand Quantum Information Programs at UMass Boston (EQUIP) a Collaborative Network for Quantum Hardware Development and Commercialization Proposal (motion item)

Ms. Wall explained that this next motion item is a request for approval of a \$3.5 million capital investment to a team led by University of Massachusetts Boston (“UMB”) and Western New England University (“WNE”) to expand the capabilities of the quantum hardware test beds at both UMB and WNE. Ms. Wall indicated that this funding will accelerate new product development and the commercialization of quantum hardware to support the developing U.S.-based supply chain for the quantum information sciences and engineering industry. In addition, Ms. Wall stated that the funding will enhance quantum workforce development training programs at UMB and WNE, which will include collaboration with MIT and Harvard in quantum education.

After a period of discussion and upon a motion duly made and seconded, it was unanimously and without abstention VOTED by a roll call vote:

The Executive Committee of the Board of Directors of the Massachusetts Technology Park Corporation (“Mass Tech Collaborative”), acting pursuant to the authority delegated under Chapter 40J of the General Laws of the

Commonwealth, does hereby authorize a grant award to the University of Massachusetts Boston under the Collaborative Research Matching Grant Program (RFP 2022-JAII-04), to be funded through the Scientific and Technology Research and Development Matching Grant Fund (M.G.L. Chpt. 40J, Sec. 4G), in an amount not to exceed \$3,500,000, paired with not more than \$300,000 in operational support to be funded from the John Adams Innovation Institute Fund (M.G.L. Chpt. 40J, Sec. 6A) for the EQUIP a Collaborative Network for Quantum Hardware Development and Commercialization project. The grant award is subject to the execution of a grant agreement in a form and with terms approved by Mass Tech Collaborative’s Chief Executive Officer.

Ms. Kirk then turned to Ms. Christine Nolan to present the next motion items.

Agenda Item VI Center for Advanced Manufacturing – Massachusetts Manufacturing Innovation Initiative (M2I2): WPI Manufacturing Innovation for a Circular Economy; Multiscale Systems with partner The Venture Forum; Biometry with partner Massachusetts Manufacturing Extension Partnership (MassMEP); and Mantel Capture with partner MassMEP (motion item)

Ms. Nolan introduced Ms. Lily Fitzgerald and Mr. Rich Cook from the Center for Advanced Manufacturing (“CAM”) and asked them to present the three (3) CAM agenda items. Ms. Fitzgerald began the discussion by presenting a series of four (4) M2I2 grant proposals. The first proposal, indicated Ms. Fitzgerald, is a grant request to Worcester Polytechnic Institute (“WPI”) in the amount of \$331,592.00 for development of a scalable process for converting mixed plastic waste streams into valuable aromatic chemicals. The second proposal is a \$1.11 million grant to Multiscale Systems and its non-profit partner Venture Forum to outfit a new manufacturing facility with two (2) production-level machines to accelerate development of novel alloy composite materials using wire-fed hybrid manufacturing technology. Ms. Fitzgerald explained that the third proposed M2I2 grant is to Biometry and its non-profit partner MassMEP in the amount of \$626,630.10 to build a modular and repeatable manufacturing line to produce a single-use, disposable gas sensor that measures airway inflammation for asthma patients. The fourth and final M2I2 grant is to Mantel Capture, also working with non-profit partner MassMEP, for development of a prototype electric powered molten borate carbon capture system. Ms. Fitzgerald explained that the proposed grant of \$450,000.00 to Mantel Capture will help improve the impact of this technology on carbon footprints. Each of the four (4) proposed grants include workforce development components, consisting of additional hires and training opportunities.

After a period of discussion and upon a motion duly made and seconded, it was VOTED by a roll call vote, with Mr. Vernescu abstaining:

The Executive Committee of the Board of Directors of the Massachusetts Technology Park Corporation (“Mass Tech Collaborative”), acting pursuant to the authority delegated under Chapter 40J of the General Laws of the Commonwealth, does hereby authorize the following grant awards funded through the Massachusetts Manufacturing Innovation Initiative (“M2I2”) through a contract with the Executive Office of Economic Development to disburse funds from item 7002-8047 of Chapter 2 of the Acts of 2023:

- to Worcester Polytechnic Institute in an amount not to exceed \$331,592 to support the development of a versatile and scalable process for converting mixed plastic waste streams and films into valuable aromatic, as presented;
- to The Venture Forum in an amount not to exceed \$1,111,690 to support the build out of Multiscale Systems’ new manufacturing facility in Worcester to accelerate production of their novel alloy composite materials using their wire-fed hybrid manufacturing echnology, as presented;
- to the Massachusetts Manufacturing Extension Partnership (“MassMEP”) in an amount not to exceed \$626,631.10 to support Biometry’s creation of a manufacturing line for the production of their single-use, disposable gas sensor that measures airway inflammation for asthma patients, as presented; and
- to the Massachusetts Manufacturing Extension Partnership (“MassMEP”) in an amount not to exceed \$450,000 to support Mantel’s prototyping of an electric powered molten borate carbon capture system, as presented.

The grant awards are subject to the execution of grant agreements in a form and with terms approved by Mass Tech Collaborative's Chief Executive Officer.

Agenda Item VII Center for Advanced Manufacturing – Massachusetts Manufacturing Accelerate Program (MMAP) – Cybersecurity Round Grant Pre-Approval (motion item)

Next, Ms. Fitzgerald presented a CAM motion item requesting that Mass Tech’s Chief Executive Officer be permitted to exceed her current delegation of authority in order to authorize MMAP Cybersecurity Program grants that would otherwise require Board approval. Although the Cybersecurity Program grants will not exceed \$30,000.00 per recipient, Ms. Fitzgerald explained, given the overall total amount awarded to the non-profit recipients in the fiscal year (expected to exceed \$500,000.00), Board approval would ordinarily be required. Ms. Fitzgerald stated that the request from CAM for an exception to Ms. Kirk’s delegation of authority solely relates to awards under the MMAP Cybersecurity Program.

After a period of discussion and upon a motion duly made and seconded, it was unanimously and without abstention VOTED by a roll call vote:

The Executive Committee of the Board of Directors of the Massachusetts Technology Park Corporation (“Mass Tech Collaborative”), acting pursuant to the authority delegated under Chapter 40J of the General Laws of the Commonwealth, does hereby authorize the Mass Tech Collaborative Chief Executive Officer to exceed her delegated authority limit of \$500,000 for grants made pursuant to a request for proposals or solicitation based upon the fiscal year amount only as it relates to grants awarded under the Massachusetts Manufacturing Accelerate Program (MMAP) Manufacturing Cybersecurity Program (“Program”) to a non-profit selected to partner with manufacturers approved for grants under this Program. The grant awards shall be funded from item 7002-8043 of Chapter 2 of the Acts of 2023, and grant agreements are subject to the execution of a grant agreement in a form and with terms approved by Mass Tech Collaborative’s Chief Executive Officer.

Agenda Item VIII Center for Advanced Manufacturing – Advanced Manufacturing Training Grant Program: MassHire Metro North Workforce Board; and Massachusetts Manufacturing Extension Partnership (MassMEP) (motion item)

The final CAM agenda item was presented by Mr. Rich Cook, CAM’s Manufacturing Workforce Training Manager. Mr. Cook proposed two (2) grant items, one to MassHire Metro North Workforce Board in the amount of \$599,996.00, and one to MassMEP in the amount of \$160,000.00. Mr. Cook explained that the MassHire Metro North Workforce Board grant (on behalf of the Northeast Advanced Manufacturing Consortium (“NAMC”)) will be used to train up to eighty-nine (89) participants in occupational areas including machine operator, welding, and electromechanical assembly, at six (6) training centers in Massachusetts. The MassMEP grant, explained Mr. Cook, will focus on training opportunities for thirty-four (34) participants, including incarcerated individuals at Bristol County and Franklin County Correctional Facilities, as well as other locations.

After a period of discussion and upon a motion duly made and seconded, it was unanimously and without abstention VOTED by a roll call vote:

The Executive Committee of the Board of Directors of the Massachusetts Technology Park Corporation (“Mass Tech Collaborative”), acting pursuant to the authority delegated under Chapter 40J of the General Laws of the Commonwealth, does hereby authorize the following grant awards under the Advanced Manufacturing Training Program (RFP No. 2024-CAM-02), to be funded from Line Item 7002-0020 of the Commonwealth’s Fiscal Year 2024 budget:

- **to the MassHire Metro North Workforce Board on behalf of the Northeast Advanced Manufacturing Consortium (NAMC) for an amount not to exceed \$599,996; and**
- **to the Massachusetts Manufacturing Extension Partnership (MassMEP) for an amount not to exceed \$160,000.**

Each grant award is subject to the execution of a grant agreement in a form and with terms approved by Mass Tech Collaborative’s Chief Executive Officer.

Following the vote, Ms. Kirk asked Mr. Baldino to present the next agenda item.

Agenda Item IX Mass Broadband Institute – Broadband Infrastructure Gap Networks Program: Comcast Cable Management; Greenfield Community Energy Technology; and Verizon New England, Inc. (motion item)

Mr. Baldino requested approval of grant awards in the amount of \$31.6 million as part of Round 1 of the Broadband Infrastructure Gap Networks Program (“Gap Networks Program”). Mr. Baldino explained that the Gap Networks Program is designed to provide broadband connectivity to the remaining unserved and underserved Broadband Serviceable Locations (“BSLs”) within the Commonwealth. Mr. Baldino stated that the additional Round 1 awards will be funded under the American Rescue Plan Act’s (“ARPA”) Capital Projects Fund, through a subaward from EOED,

and will connect an additional 937 BSLs across twenty-six (26) municipalities in the Commonwealth, in addition to the 1,075 BSLs across fifteen (15) municipalities to be served by the earlier Round 1 awards approved by the Executive Committee in February 2024. Mr. Baldino concluded his presentation by stating that Round 2 of the Gap Networks Program is scheduled to open in May 2024 and additional award requests will be forthcoming at the close of Round 2.

After a period of discussion and upon a motion duly made and seconded, it was unanimously and without abstention VOTED by a roll call vote:

The Executive Committee of the Board of Directors of the Massachusetts Technology Park Corporation (“Mass Tech Collaborative”), acting pursuant to the authority delegated under Chapter 40J of the General Laws of the Commonwealth, does hereby authorize the following grant awards to support capital costs associated with the extension of broadband infrastructure to cover unserved and underserved premises in Massachusetts, as presented:

- **to Comcast Cable Communications Management in an amount not to exceed \$360,000;**
- **to Greenfield Community Energy Technology in an amount not to exceed \$ 758,733.90; and**
- **to Verizon New England, Inc. in an amount not to exceed \$ 30,459,169.**

The grants are awarded under the Broadband Infrastructure Gap Networks Grant Program, Solicitation No.2024-MBI-01, and shall be funded through the American Rescue Plan Act Capital Projects Fund through a contract with the Executive Office of Economic Development. The grant awards are subject to the execution of a grant agreement in a form and with terms approved by Mass Tech Collaborative’s Chief Executive Officer.

Agenda Item X Mass Broadband Institute – Digital Equity Partnerships Grants: Metropolitan Area Planning Council (MAPC); and Tech Goes Home (motion item)

Next, Mr. Josh Eichen presented a request for approval of grants in the amount of \$15 million in ARPA funds in order to expand the existing Digital Equity Partnerships with MAPC and Tech Goes Home. These expansion grants, explained Mr. Eichen, will allow MAPC to expand its Apartment Wi-Fi Program to 4,000 additional units across multiple sites which will increase broadband adoption rates in public housing and affordable housing locations. The additional funding to Tech Goes Home to expand its programming, explained Mr. Eichen, will result in an increased understanding and use of digital skills among incarcerated individuals, justice involved youth, and new immigrants, and an estimated 5,545 additional households.

After a period of discussion and upon a motion duly made and seconded, it was unanimously and without abstention VOTED by a roll call vote:

The Executive Committee of the Board of Directors of the Massachusetts Technology Park Corporation (“Mass Tech Collaborative”), acting pursuant to the authority delegated under Chapter 40J of the General Laws of the Commonwealth, does hereby authorize an additional award under the Digital

Equity Partnerships Program (RFP No. 2023-MBI-04) to be funded from American Rescue Plan Act (ARPA), State Fiscal Recovery Funds to:

- **Metropolitan Area Planning Council in an additional amount not to exceed \$9,000,000; and**
- **Tech Goes Home in an additional amount not to exceed \$6,000,000.**

These awards are subject to the execution of an amendment to the subaward grant agreement in a form and with terms approved by MassTech Collaborative’s Chief Executive Officer.

Agenda Item XI Boston Office Lease Extension (motion item)

Mr. Marc Leonetti presented the final agenda item which was a requested approval of an extension of the lease of Mass Tech’s Boston office. Mr. Leonetti explained that he engaged in several rounds of negotiation with the landlord, and he believes favorable terms were reached including a forty (40) month lease term with minimal yearly increases and a landlord contribution of approximately \$206,000 that can be used to offset rent. Mr. Leonetti stated that there are several advantages to an extension of the current Boston lease, rather than negotiating for a new lease at a new location, including avoiding moving and build-out costs.

After a period of discussion and upon a motion duly made and seconded, it was unanimously and without abstention VOTED by a roll call vote:

The Executive Committee of the Board of Directors of the Massachusetts Technology Park Corporation (“MassTech”), acting pursuant to the authority delegated under Chapter 40J of the General Laws of the Commonwealth, does hereby delegate to MassTech’s Chief Executive Officer the authority to negotiate and execute a lease extension with SHIGO Center Plaza Owner, LLC to continue occupancy of MassTech’s current office space at Two Center Plaza, Suite 200, for a term not-to-exceed forty months in duration from the current lease termination date of October 31, 2024, in a form that substantially comports with all material elements of the lease extension as presented.

Having determined that there was no other business to discuss, Secretary Hao adjourned the meeting at 3:21 p.m.

A TRUE COPY ATTEST: (Secretary)

DATE:

Materials and Exhibits Used at this Meeting:

1. Draft Minutes for the February 26, 2024, Mass Tech Collaborative Executive Committee Meeting
2. Innovation Institute – Collaborative Research & Development Matching Grant Programs: UMass Boston and Western New England University; Expand Quantum Information Programs at UMass Boston (EQUIP) a Collaborative Network for Quantum Hardware Development and Commercialization Proposal (motion item)

3. Innovation Institute – Collaborative Research & Development Matching Grant Programs: UMass Boston and Western New England University; Expand Quantum Information Programs at UMass Boston (EQUIP) a Collaborative Network for Quantum Hardware Development and Commercialization Proposal (motion item)
4. Center for Advanced Manufacturing – Massachusetts Manufacturing Innovation Initiative (M2I2): WPI Manufacturing Innovation for a Circular Economy; Multiscale Systems with partner The Venture Forum; Biometry with partner Massachusetts Manufacturing Extension Partnership (MassMEP); and Mantel Capture with partner MassMEP (motion item)
5. Center for Advanced Manufacturing – Massachusetts Manufacturing Accelerate Program (MMAAP) – Cybersecurity Round Grant Pre-Approval (motion item)
6. Center for Advanced Manufacturing – Advanced Manufacturing Training Grant Program: MassHire Metro North Workforce Board; and MassMEP (motion item)
7. Mass Broadband Institute – Broadband Infrastructure Gap Networks Program: Comcast Cable Management; Greenfield Community Energy Technology; and Verizon New England, Inc. (motion item)
8. Mass Broadband Institute – Digital Equity Partnerships Grants: Metropolitan Area Planning Council (MAPC); and Tech Goes Home (motion item)
9. Boston Office Lease Extension (motion item)