

# Innovation and Industry Services Visiting Committee on Advanced Technology

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**MEP** • MANUFACTURING  
EXTENSION PARTNERSHIP®

Through formation of public-private partnerships we build communities around:

- Technology innovation
- Manufacturing
- Performance excellence

# Baldrige FY2021 Highlights

- Converted of all processes and service offerings to virtual platforms
- Released revised Baldrige Excellence Framework with enhanced emphasis on DEI, organizational resilience, and leveraging technology and innovation
- Leading interagency efforts to develop a broadly applicable, widely accepted Job Quality Framework
- Creative use of hiring authorities to address Baldrige needs
- Maintaining exceptional workforce and customer engagement (EVS and NPS) in a virtual environment



## 5 Organizations Win U.S. Department of Commerce's 2020 Baldrige Awards for Performance Excellence

Winners include first three-time award recipient and first two-time recipient in nonprofit category.

November 24, 2020

WASHINGTON, D.C. — In a historic year for the Malcolm Baldrige National Quality Award — the nation's only presidential award for organizational performance excellence — MESA, a family-owned U.S. small business, has become the first three-time recipient, and Elevations Credit Union has become the first two-time recipient in the nonprofit category.

The U.S. Department of Commerce also announced three additional winners: the nonprofit AARP as well as GBMC HealthCare System and Wellstar Paulding Hospital, both of which have posted industry-leading performance in the health care field even in the face of the pandemic.

"I congratulate these five U.S. organizations for committing themselves to performance standards that have demonstrable and independently verified positive effects on the American business community," said Secretary of Commerce Wilbur Ross. "Applying the Baldrige Criteria yields [practical value](#) to an organization in cost savings, customer satisfaction and financial gain while also producing higher revenue, growth and efficiency for improved competitiveness and performance."

The 2020 Baldrige Award and past year awardees will showcase their best practices during the [22nd Quest for Excellence® conference](#), which will be held virtually April 12-15, 2021.



Jo Ann Jenkins, AARP CEO, high-fives a group of volunteers at AARP and the AARP Foundation's fifth annual "Celebration of Service D.C. Meal Pack Challenge" on Sept. 11, 2019. Some 5,000 volunteers gathered on the National Mall in Washington, D.C., to pack 1 million meals in a single day to help food-insecure residents of D.C., Maryland and Virginia. Credit: AARP

### MEDIA CONTACT

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### ORGANIZATIONS

Baldrige Performance Excellence Program

### RELATED LINKS

[Quest for Excellence Conference 2021](#)  
[Baldrige Executive Fellows Program](#)

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# Baldrige FY2022 Priorities



Image credit: Pexels

## **Award Ceremony**

- Return to in-person events with presidential participation

## **Quest for Excellence Conference**

- Return to in-person events

## **Award Process Redesign**

- Simplify process and lower barriers to participation

## **Job Quality Framework**

- Finalize framework and make it available
- Develop assessment tool

## **Advanced Manufacturing Assessment**

- Finalize pilots, modify assessment tool, make available to MEP Centers

## **Communities of Excellence**

- Approval of “Community” as a new award category

## **Digital modernization**

- Continue the course, but strive for additional funding

# OAM FY2021 Accomplishments

## \$233M in competitions • \$153M awarded

- \$150M American Recovery Plan
- \$70M NIIMBL renewal
- \$3M Roadmap Planning for future MFG USA Institutes

## NIIMBL exceeded expectations and was renewed for 5 years

- Independent panel assessment • \$70M renewal
- \$165M facility ribbon cutting OCT 2021
- 180+ members • 90%+ engagement • 75 active projects
- NIIMBL Sr. Fellows group

## Pandemic rapid-response projects funded at MFG USA institutes (CARES Act and American Rescue Plan)

- Rapid response [report](#) issued
- Congressional briefing held on responsiveness and impact • cited by GAO and OIG
- Additional \$150M for MFG USA pandemic response projects
- 35 high impact projects at NIIMBL awarded in JUL 2021 • RACER award in NOV

## OAM reorganized for agile response

- New hires for technology and DEI
- AAAS and ASME fellows
- Detail assignments from NIST labs





# OAM FY2022 Priorities



## **FY22 President's Budget Request (\$167M)**

- FY22 budget requests two additional NIST-sponsored institutes

## **Extensive planning to prepare for additional appropriations**

- Build Back Better Plan
- U.S. Innovation and Competition Act of 2021
- Team Building

## **OAM staffs and Co-leads the NSTC Subcommittee on Advanced Manufacturing**

- 2022-2026 National Strategic Plan for Advanced Manufacturing
- Symposium: "Strategy for Resilient Manufacturing Ecosystems Through AI"
- Agency R&D program review to expand USG collaboration and coordination
- R&D recommendations for predictable and reliable Additive Manufacturing

# TPO FY2021 Accomplishments

- Office reorganization
- Grew TPO staff with five new hires and two more recruited and started in the beginning of FY22
- Strategic planning session to clarified mission, vision, guiding principles
- Notice of Proposed Rulemaking concerning Bayh-Dole published in the Federal Register with 81,000+ comments received
- The **ROI Legislative Package** for modernizing the Stevenson-Wydler Act was released to congress for consideration
- Organized a first at NIST, fast-track SBIR solicitation specific to COVID-19 response
- Expanded federal tech transfer with RCAs



**RETURN ON INVESTMENT INITIATIVE**  
TO ADVANCE THE PRESIDENT'S MANAGEMENT AGENDA  
FINAL GREEN PAPER  
APRIL 2019

LEGISLATIVE PROPOSAL	NIST GREEN PAPER	PURPOSE
Copyright in Federal Laboratory Computer Programs	Finding 4	Creates a limited exception to the prohibition for copyright by federal laboratories for certain software products
Extend CRADA Information Protection Period	Finding 5	Extends the Cooperative Research and Development Agreement information protection period from a maximum of 5 years to a maximum of 12 years
Stevenson-Wydler Act Regulatory Authority	Finding 6	Codifies executive order requirements for an Interagency Working Group for Technology Transfer; permits the Director of NIST to issue regulations with the concurrence of the IAWGTT, in order to provide agencies with consistent legal interpretations of technology transfer statutes
Distribution of Royalties Received by Federal Agencies	Finding 8	Increases the annual cap on the amount a federal employee may receive from patent royalties from \$150,000 to \$500,000; establishes an annual cap on the amount a federal employee may receive from royalties on licensed software of \$150,000
Presumption of Government Rights to Employee Intellectual Property	Finding 7	Codifies executive order requirements for federal employees to report their inventions and contributions to software works to their laboratories; streamlines the determination of rights to inventions made by federal employees
Clarifying CRADA Authority	Finding 8	Removes conflicting definitions as to who may be parties to a CRADA
Expansion of Agreements for Commercializing Technology (ACT) Authority	Finding 9	Provides all agencies with Government-Owned Contractor-Operated (GOCO) laboratories with the authority to direct their GOCO laboratories to enter into Agreements for Commercializing Technology
Other Transactions	Finding 9	Provides Other Transactions authorities to all agencies for the purposes of improving utilization of federally funded technologies
Non-Profit Foundations	Finding 9	Permits all agencies to establish non-profit foundations in support of their missions, including their mission for technology transfer as specified in the Stevenson-Wydler Act
Reporting and Metrics	Findings 14 and 15	Updates metrics that all agencies are required to report on their Title 15 activities and replaces a physical printed annual report with electronic availability of metrics on a more up-to-date basis

**INTRODUCING THE RESEARCH COLLABORATION AGREEMENT**

The Technology Partnerships Office has a new type of agreement in our tool kit to help researchers collaborate with outside parties to further technology transfer. **Research Collaboration Agreements (RCAs)** will help streamline collaborative efforts. RCAs are much shorter agreements than CRADAs, with less terms for a party to review and with quicker execution.

If you would like to establish an RCA for your project, please contact [tpo@nist.gov](mailto:tpo@nist.gov)



# TPO FY2022 Priorities



- **Implement Technology Transfer (T2) training for labs**
- **Launch new revised iEdison tool**
- **Hold invention review committee meeting**
- **Complete Regulatory Change**
- **Begin NIST On a Chip (NOAC) marketing campaign**
- **Introduce Tech Transfer Liaison Program**
- **Develop Umbrella Agreements with CU and UMD**
- **Award SBIR Fast-Track for COVID-19 (Phase I and II) in addition to normal SBIR awards**



# MEP FY2021 Accomplishments



**Executed all 51 CARES Act awards by 30 SEP 2021 deadline**

**Led NIST response to EOs 14005 and 14017**

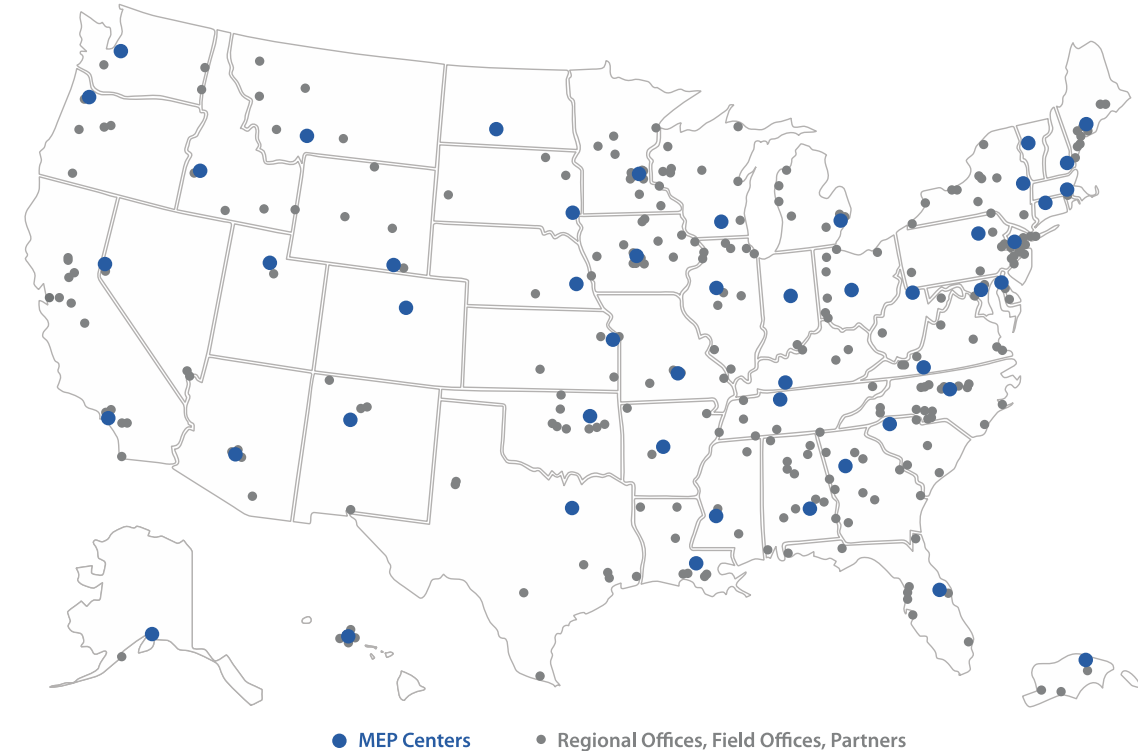
**Submitted 100-day report on semiconductor industry**

**As part of the MEP strategic vision, we needed to concentrate on the next generation of MEP leaders**

- Started a detailee program for current staff to shadow MEP leaders
- 9 detail assignments

**Convened MEP National Network™ update meeting in AUG**

- Ensured strong alignment between manufacturers' needs and MEP services
- Plan for potential of additional federal funding
- 200+ in person participants
- ~150 remote participants



Executive Order 14017 (Feb 24)  
**America's Supply Chains**



Executive Order 14005 (Jan 25)  
**Make it in All of America**

# MEP FY2022 Priorities



- Publish new MEP National Network™ FY2023-2028 strategic plan, focusing on talent development, supply chain, and technology demonstration
- Onboard at least 10 new MEP team members (\$275M appropriation)
- Increase MEP Center Base Award Cooperative Agreements by at least \$40M (\$275M appropriation)
- Award at least \$50M in new Competitive Awards to MEP Centers (\$275M appropriation)



# Thank you

