

State
Entrepreneurial
Ecosystems:
How Public
Policy Can Drive
Innovation

## State Entrepreneurial Ecosystems: How Public Policy Can Drive Innovation

Bob Schneider, Senior Research Associate Citizens Research Council of Michigan

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- www.crcmich.org



## Our Research Sponsor

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## Today's Host

We also want to thank the Gerald R. Ford Presidential Library and Museum for hosting today's event.



Gerald R. Ford





## Major Questions Addressed in Report

- Why should we care about innovation? Can public policy actually help induce greater innovation and economic growth?
- What are Michigan's strengths and weaknesses in terms of cultivating economic innovation and how does public support for relevant programs compare to other states?
- What funding options and strategies are available to Michigan if policymakers want to increase support of innovation and entrepreneurship programming?



# Why Should We Care About Economic Innovation?



### Why Care About Innovation?

- Economic theory tells us that long-run economic growth and rising living standards are tied to economic innovation new products and processes that make workers more productive
- But economists also suggest that innovation may be constrained without help from public policy
  - New technologies can be adapted/copied/learned from by competitor firms ("knowledge spillovers"), so less profit for innovative firm
  - Small, young startup firms bringing a new technology to market face higher capital costs because of information constraints



## Does Public Policy Actually Help?

Empirical studies show various policy interventions have yielded positive outcomes in terms of encouraging R&D, improving the prospects of young innovative firms, and achieving long-run impacts on productivity and patenting.

- R&D tax credits
- Direct federal R&D appropriations
- Small Business Innovation Research (SBIR) program
- Accelerators and incubators
- Publicly-funded venture capital programs (key: when they are a moderate source of support relative to other private sources)



# Where Does Michigan Stand in Terms of Innovation?



### Is Michigan an Innovation State?

#### 2022 Milken Institute

#### **2020 State New Economy**

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10	R&D Inputs
13	Tech/Science Workforce
19	Human Capital Investment
26	Tech Concentration & Dynamism
36	Risk Capital/Entrepreurial Infrastr

#17

5	Innovation Capacity	
17	Globalization	
21	Digital Economy	
25	Knowledge Jobs	
38	Economic Dynamism	

- Michigan ranks above average in two recognized state-level Innovation indexes
- Michigan's strengths relate to R&D capacity and workforce skills
- But key relative weaknesses relate to innovation ecosystem

## Is Michigan an Innovation State?



• An independent program evaluation of Michigan's I&E programs conducted for the MEDC had similar findings related to Michigan's position among competitor states.



## Innovation and Entrepreneurship (I&E) Programs

- Access to Capital Support early-stage financing to start-up companies in the process of bringing innovative new products and services to market
- Business Support Programs technical support (e.g. legal and management consultations), networking and mentorship opportunities, product evaluation and validation, publicly-funded business incubators/accelerators.
- University Research Commercialization assist potential start-up companies validate the market potential of new product ideas arising from university research



## Financing Michigan's I&E Programs

#### 21st Century Jobs Fund

- Created in 2005, the 21<sup>st</sup> Century Jobs Fund is the primary funding source for the MEDC's I&E programming (and for much of its other business attraction programs)
- Current \$15.7 million appropriation is down from a high of \$28.5 million in FY2014

Entrepreneurship Eco-System Appropriations		
FY2020	\$16,400,000	
FY2021	\$15,650,400	
FY2022	\$15,650,000	
FY2023	\$15,650,000	
FY2024	\$15,650,000	



## **I&E State Spending Effort Across States**

#### **State Spending Effort for I&E Programs**

(State Spending per \$1 million in state GDP)



State spending effort:

- State appropriations for I&E programs
- Average annual dollar commitments from offbudget program funded by bond or other special revenue.

Michigan ranks fifth among these states in I&E spending effort relative to the size of its economy.



## Business Support Providers – Case Study Comparison

- Michigan the state commits around \$4.7 million per year to support SBDC-delivered Tech Team, Business Accelerator Fund and SBIR/STTR matching grants as well as grants to the state's network of regional incubators
- Ohio Ohio's five regional Entrepreneurial Service Providers receive annual support of \$32.9 million per year under their current contracts
- Pennsylvania Total combined budgets for the state's Ben Franklin
  Technology Partners have averaged around \$32 million per year combining
  both annual state appropriations and reinvested program earnings
- Indiana Elevate Ventures operates under a state contract that provides \$6.5 million in annual support for its coordination services to Indiana's I&E programs.



# Fiscal Roadmap: Funding Options for Michigan



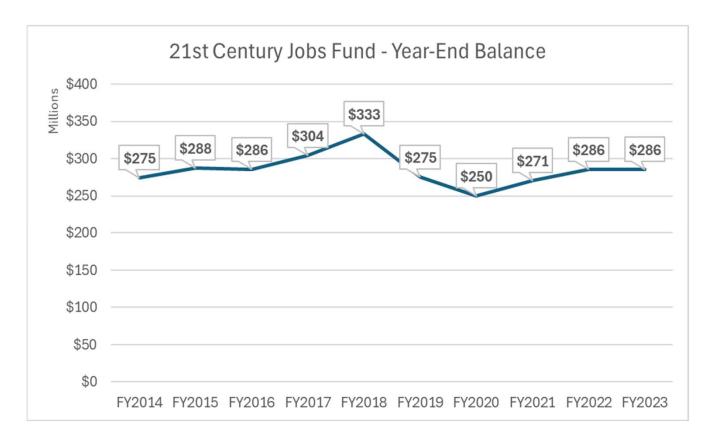
## Fiscal Roadmap: Revenue Options for Michigan

#### Bonding for One-Time Revenue

- General obligation bonds: requires legislative and voter approval
  - Ohio Third Frontier initiative: state generates \$1.2 billion to kickstart I&E programs in 2005 and 2010
  - Michigan precedent: Clean Michigan Initiative (\$675 million in 1998)
- Revenue bonds: legislative approval needed
  - Michigan precedent: 21st Century Jobs Fund was initially capitalized with \$400 million in revenue from securitization of Michigan tobacco settlement proceeds



## 21st Century Jobs Fund



- The 21st Century
   Jobs Fund has
   maintained a year end balance of at
   least \$250M in each
   of the last ten years
- That balance is available for appropriation by the legislature for economic developmentrelated programming

## Grand Bargain and Michigan's Rainy-Day Fund

#### **Budget Stabilization Fund Balance History, FY1999 to FY2025**

(in millions)



- State contributed \$195M to the Grand Bargain agreement to help Detroit arise from bankruptcy
- State law requires
   "repayment" of \$17.5M
   annually from tobacco
   settlement proceeds over 21
   years
- But BSF has already grown by \$1.7 billion; more than 4times the pledged Grand Bargain payback
- Grand Bargain repayments are now largely symbolic

## Fiscal Roadmap: Revenue Options for Michigan

Tribal Gaming Revenue from Online Gaming and Sports Betting

- 10 percent of tax revenue generated from tribal casinos goes to the Michigan Strategic Fund
- MSF revenue from tribal gaming is up by \$17-18 million per year as a result

#### Corporate Income Tax Earmarks

- Tax reforms enacted in 2023 included the temporary redirection of \$550M of Corporate Income Tax revenue (SOAR Fund and placemaking programs)
- That revenue moves back to the General Fund under current law
- House and Senate are still deliberating about maintaining the redirection (and how to use the funding)



## On the Horizon: Michigan Innovation Fund

- One-time \$60 million appropriation for a new Michigan Innovation Fund (MIF) to support I&E-related programming included in FY2025 budget
- Pending legislation (currently pending House floor action) authorizes transfer of available proceeds from the Venture Michigan Fund to the new MIF
  - \$105 million would be transferred in 2024
  - Potentially more in future years if VMF continues to realize earnings
- That legislation will also set parameters on how Innovation Fund dollars are allocated. Current bills pending on the House floor allocates funding for:
  - Nonprofit or university-based venture funds
  - Nonprofit agencies for start-up services that support the creation and growth of Michigan startup companies and support the growth of the state's venture capital talent pool



## Key Takeaways from the Research

- Economic innovation is critical to long-run economic growth and rising living standards
- Public policy interventions can help drive more innovation and help overcome marketplace challenges that can hinder it
- Michigan invests less than its neighbors in I&E programs that aim to improve the state's entrepreneurial ecosystem.
- Report identifies revenue options to increase both one-time and ongoing support for I&E programs in Michigan.



## Today's Panel



Moderator: Jennifer Wangler – Vice President of Technology, The Right Place; Director – Technology Council of West Michigan



Zachary Meyer – *Partner, Varnum-Grand Rapids* 



Janet Wyllie – Senior Program Manager, MSU Research Foundation



Danny Beckett, Jr. – Managing Partner, Beckett Industries

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