



Background: The Semiconductor Industry in New York

<p>150+</p> <p>Semiconductor industry companies across the stateⁱ</p>	<p>\$112B+</p> <p>Private sector investment announced since passage of the CHIPS and Science Actⁱⁱ</p>	<p>34,000+</p> <p>Jobs in the semiconductor industry across the stateⁱⁱⁱ</p>	<p>+27%</p> <p>Increase in semiconductor and related device manufacturing companies since passage of the CHIPS and Science Act^{iv}</p>
<p>\$20B+</p> <p>Public and private investment in Albany NanoTech Complex^v</p>	<p>43,000</p> <p>Graduates in STEM-related degrees produced by New York universities each year^{vi}</p>	<p>\$10B</p> <p>Green CHIPS Program is providing tax credits for semiconductor manufacturing and supply chain projects^{vii}</p>	

The Investing in America agenda is promoting growth of the semiconductor industry in New York including:

- CHIPS for America has announced proposed investments of up to **\$6.14 billion in proposed direct funding for Micron** to construct the first two fabs of planned four fab “megafab” for **leading-edge DRAM chip production**, part of a multi-state investment;
- Upstate New York was designated as an **Investing in America Workforce Hub** by the White House in April 2024 for **semiconductor manufacturing**;
- **NY SMART I-Corridor Tech Hub** was awarded **\$40 million** to coordinate across semiconductor fabrication investments, supply chain assets, R&D, and partner coalitions to establish an ecosystem that provides opportunities to the historically underserved communities; and
- **Northeast Regional Defense Technology Hub** was awarded **\$40 million** as one of eight regional hubs selected for the **Department of Defense Microelectronics Commons** program.

The CHIPS and Science Act (“CHIPS”) is spurring new investments in critical infrastructure, including:

- **\$200 million** from New York State for infrastructure needs to facilitate project implementation at the White Pine Megasite in Clay, NY;
- **\$300 million** across New York State through the **FAST NY shovel-ready site prep program**;
- Water, sewer, wastewater treatment facility, and roadway expansions and improvements by **Onondaga County** that will serve industrial and community needs; and
- **\$4+ billion investment by National Grid** to transform its energy delivery system and propel economic growth across Upstate New York.

CHIPS is stimulating the growth of research and development assets including:

- **\$10 billion public-private investment** at NY CREATES’ Albany NanoTech to house the nation’s first and only **High NA EUV Lithography Center** for next generation R&D innovation in chip technology, seeded by a **\$1 billion capital investment from New York State**;

- Launch of a **Center for Advanced Semiconductor Technologies** at the **University at Buffalo**;
- Creation of a **semiconductor processing lab at SUNY Polytechnic Institute**; and
- Establishment of a new **Syracuse University Center for Advanced Semiconductor Manufacturing** seeded by **\$10 million** from Onondaga County.

CHIPS is catalyzing new workforce development pipelines to connect residents with good-paying jobs in the semiconductor industry including:

- **\$200 million ON-RAMP program** being developed by NYS to create four advanced manufacturing workforce training centers across, including a flagship facility in Syracuse;
- **\$15 million public and private investment at Onondaga Community College** to build a **cleanroom simulation lab** and advance its microelectronics academic programs;
- **\$74 million in public and private investment** to create the **Syracuse STEAM School**, dedicated to preparing K-12 students for careers in growing high tech manufacturing industries;
- the **Future-Ready Workforce Innovation Consortium** bringing together regional workforce development stakeholders to focus on regional construction and technician workforce;
- **\$8 million** in projects funded in the greater Central New York region by Empire State Development’s **Office of Strategic Workforce Development** to serve the existing and growing regional semiconductor and advanced manufacturing workforce; and
- The use of **Project Labor Agreements** for largescale semiconductor construction projects that emphasize the use of registered apprenticeships and hiring veterans and local workers.

CHIPS is mobilizing new initiatives to ensure economic benefits of semiconductor industry growth reach the whole community including:

	<p>Community Investment New York State and Micron are creating a \$500 million Community Investment Fund guided by the work of the Central New York Community Engagement Committee.</p>
	<p>Supporting Small and Diverse Businesses New York’s Green CHIPS Program requires commitments to supplier diversity and spending with small businesses owned by economically disadvantaged individuals.</p>
	<p>Ensuring Affordable Housing Empire State Development is conducting a regional housing study to detail projected housing growth and guide Central NY in inclusive and equitable development.</p>
	<p>Growing the Construction Workforce The Syracuse Build Pathways to Apprenticeship Program, is building a diverse and skilled infrastructure workforce.</p>
	<p>Growing the Innovation Ecosystem The NY Ventures program is funding start-up accelerator programs throughout the state and providing direct company and partner fund venture capital.</p>

New York Economic Development Contacts:

- **Empire State Development**
 - **Contact Email:** tech@esd.ny.gov
- **CenterState Corporation for Economic Opportunity (CenterState CEO)**
 - **Contact Email:** CEO@centerstateceo.com
- **Onondaga County Office of Economic Development**
 - **Contact Email:** economicdevelopment@ongov.net
- **City of Syracuse**
 - **Contact Email:** mayor@syr.gov.net
- **Town of Clay**
 - **Contact Email:** supervisor@townofclay.org

Note: This fact sheet provides examples of entities, programs, and initiatives that CHIPS for America is aware of in the State of New York to support its growing semiconductor industry. The information is based on CHIPS for America engagement with entities involved in New York's semiconductor industry and was collected in collaboration with Empire State Development. Empire State Development provided the list of state and local economic development organizations in geographies with leading-edge CHIPS Incentives announcements.

Inclusion in this fact sheet does not convey the CHIPS Program Office's approval, endorsement, sponsorship, or other evaluation of any entity, program, or initiative, nor does the exclusion of any entity on the list convey any disapproval. The CHIPS Program Office makes no claims, promises, or guarantees about the completeness, accuracy, or currency of information in this fact sheet. All examples are non-exhaustive and provided for informational purposes only.

ⁱ An unpublished supply chain study conducted by Newmark and commissioned by Empire State Development identified 157 companies "wholly or partly active" in the semiconductor industry as of 2023.

ⁱⁱ Provided by Empire State Development

ⁱⁱⁱ Lightcast Q2 2024 Data Set

^{iv} Provided by Empire State Development

^v Provided by Empire State Development

^{vi} BLS QCEW, modified by Lightcast

^{vii} To qualify for Green CHIPS incentives, companies must invest at least \$3 billion over a ten-year project term and create at least 500 new jobs, as well as make commitments to sustainability and worker and community investments.