What is a Research Computing Center?
Why It Matters.

From improving cancer treatments to understanding extreme weather, researchers at the University of Michigan are working to solve complex challenges that affect our everyday lives. Advanced computing is an important part of this work, helping scientists analyze information, test ideas and make discoveries that could benefit people in Michigan and beyond.

As research becomes more complex, scientists need greater computing power to explore new possibilities. That's why U-M is proposing a Research Computing Center (RCC) in Ypsilanti Township in partnership with Los Alamos National Laboratory (LANL).

Unlike a commercial data center, the facility would be dedicated to scientific research. It would not involve nuclear weapons manufacturing, physical weapons testing or the storage of hazardous nuclear materials.

The center would give U-M and LANL researchers the computing resources to:

- Model complex systems and run sophisticated simulations
- Analyze massive datasets to accelerate discoveries
- Enable cutting-edge research across multiple scientific fields

Real-World Impact

Cancer Surgery: U-M researchers developed technology that analyzes tumor tissue and improves surgical accuracy.

Climate & Natural Disasters: Model wildfire behavior and predict extreme weather patterns.

Public Health: Track disease spread and assess pandemic response strategies.

Clean Energy: Strengthen power grid resilience and develop sustainable energy solutions.

National Security: Improve cybersecurity practices to safely manage existing nuclear material out of state.

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Learn More and Stay Connected

The University of Michigan is committed to keeping Ypsilanti Township residents informed as planning and design for the Research Computing Center continues.

Visit our website for project details, environmental information, updates and opportunities to share questions or feedback.

SCAN HERE:

hpc-center@umich.edu

myumi.ch/RQIzg

RESEARCH COMPUTING CENTER

Advancing Scientific Discovery in Michigan



BIRD'S EYE VIEW FROM THE SOUTH LOOKING NORTH
PRELIMINARY, ADVISORY GRAPHICS IN PROGRESS

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Why Here? Why Now?

Our Partnership: U-M and Los Alamos National Laboratory have collaborated for over 50 years on advanced research. In 2024, a five-year partnership was launched to accelerate computational research across multiple fields.

PROJECT TIMELINE

May 2024: Partnership begins to develop advanced computing technologies

Oct. 2024: U-M Board of Regents approves purchase of 20-acre Textile Road site

Dec. 2024: Public announcement made; State of Michigan grants $100 million

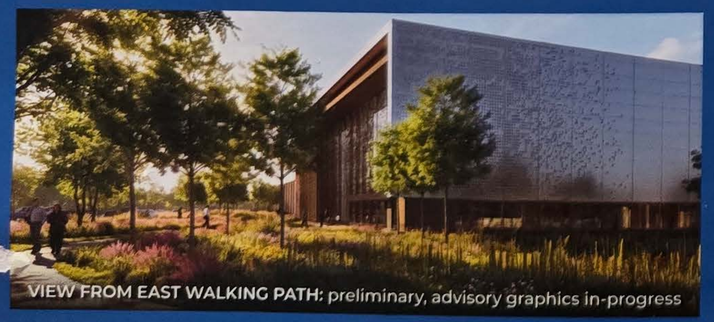
June 2025: Additional 124-acre parcel purchased to accommodate electrical infrastructure

Aug. 2026: Textile Road selected as preferred site

Why Textile Road in Ypsilanti Township?



VIEW FROM NORTH DRIVE: preliminary, advisory graphics in-progress



VIEW FROM EAST WALKING PATH: preliminary, advisory graphics in-progress

Project Benefits for Our Community and State:

Research computing centers attract scientists, engineers, technology companies and investment— positioning southeastern Michigan as a hub for innovation and advanced science. U-M is committed to working with local leaders and residents to identify opportunities for the project to provide meaningful long-term value to the Ypsilanti Township community.

This location in the Township's Innovation and Employment District, identified in the master plan, was selected because it:

- Is properly zoned for light industrial use and adheres to Township's land use plan
- Meets all infrastructure requirements
- Preserves natural areas and maintains buffers between the facility and nearby homes and parks
- Aligns with township goals of attracting cutting-edge technology companies

The Research Computing Center is being designed to complement the natural beauty of its setting along the Huron River. Current plans preserve approximately 80% of the 124-acre property as green space, protecting wetlands, mature trees, and natural habitats while maintaining buffers from nearby neighborhoods and incorporating landscaped grounds and walking paths.

The facility will not draw water from, or discharge water into, the Huron River, and its design will include measures to minimize noise and other environmental impacts.

FOR YPSILANTI TOWNSHIP:

Job Creation & Employment

- 300 union construction jobs during development
- 200+ high-paying permanent research positions
- 30-50 technical support roles

Regional Economic Growth

The center has potential to strengthen the region by attracting additional research activity, businesses, and investment to the area. Additionally, the research facility won't burden the local community with the cost of its energy or water use.

FOR MICHIGAN RESIDENTS:

This is the state's first National Lab investment. This project represents a $1.25 billion investment in scientific discovery and advanced research infrastructure, pushing the boundaries of what's possible and advancing breakthroughs that improve lives in Michigan and around the world. Research conducted at the center will accelerate breakthroughs in:

- Medicine and healthcare
- Energy and clean technology
- Climate science and environmental solutions

Statewide Opportunities

The U-M-LANL partnership will position Michigan as a national leader in advanced computing and scientific research, creating opportunities for students, researchers and workers to contribute to cutting-edge discoveries without leaving the state. This means new pathways for high-skilled careers and innovation throughout Michigan.