Microsoft

Welcome

Thank you for joining the Lowell Charter Township community meeting about a proposed Microsoft datacenter

We are early in the planning process. We intend to go through the rezoning process after consulting with the local community. Rezoning is first of many approvals needed.

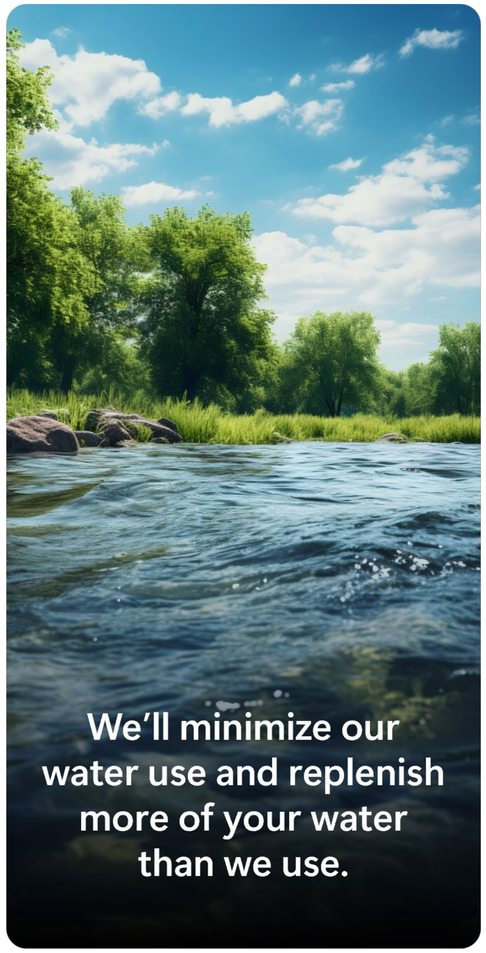
Tonight’s meeting is an open house. Please visit the stations, view the materials, and talk with our staff.

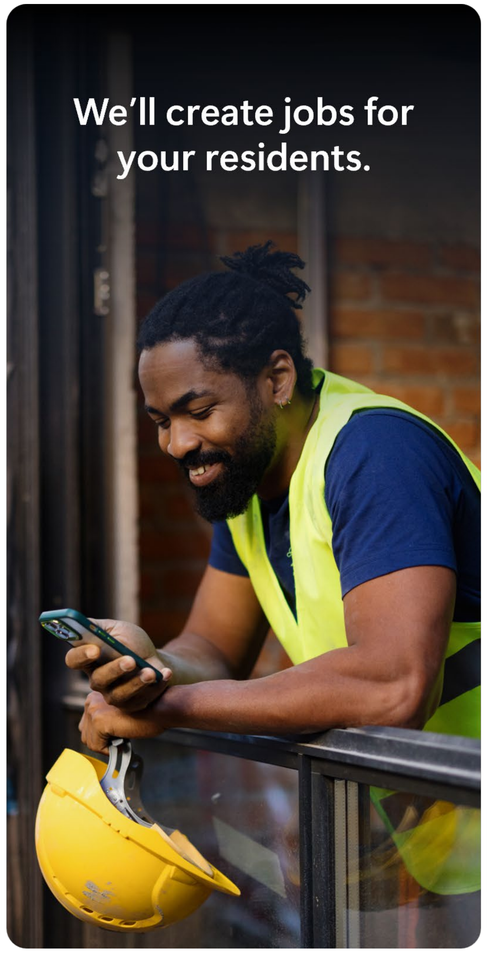
We would be delighted to answer questions you may have.

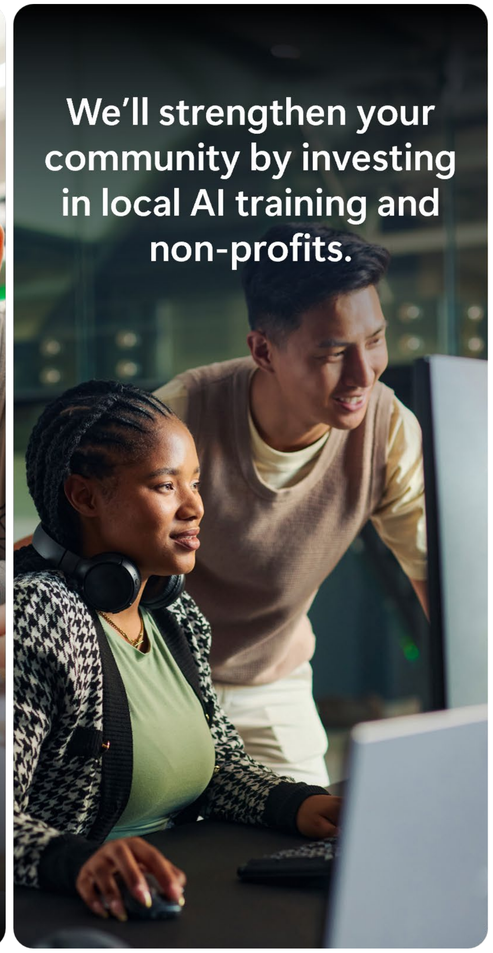
Microsoft

Building Community-First Infrastructure

The Microsoft Community-First Infrastructure initiative centers on being a good neighbor in the communities where we build, own, and operate our datacenters.







Microsoft

Datacenters are the infrastructure that delivers the cloud

The cloud plays **a significant role in our everyday lives**, enabling remote work and learning, global collaboration, supporting discovery and innovation, and importantly, powering critical life and safety services.

Datacenters have become integral to our lives, from connecting with family and friends, to facilitating contactless payments and remote working, our modern lives are reliant on the functionality datacenters provide and demand is growing.

Organizations in Michigan rely on the Microsoft Cloud, including companies large and small, startups, governments, hospitals, banks, schools, and more.

Datacenters power our digital world

Who uses the Cloud

The Microsoft cloud serves over **1 billion** customers and over **20 million** companies worldwide.

Over **95% of Fortune 500** companies run Microsoft Azure.

Many of the Michigan's top companies and public sector agencies use the Microsoft Cloud to modernize and digitize their operations.

Non-profit and IGO	Michigan Humane, United Way for Southeastern Michigan
Defense and Intelligence	Kelly Johnson Joint All-Domain Innovation Center, AEVA
Retail and Consumer Goods	carhartt, L&M Fleet Supply, gardens alive!
Telecommunications and Media	USA TODAY, AT&T
Professional Business Services	Kelly, helixUX, EY Building a better working world
Commercial Other Industries	CoStar Group, Ford, Stanley Martin

Source: https://customers.microsoft.com/

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Community-first commitments

Microsoft's 5-point plan to partner with local communities across the United States

1

We'll pay our way to ensure our datacenters don't increase your electricity prices.

- Pay utility rates that are high enough to cover our electricity costs
- Collaborate with utilities on plans to add the electricity we will need
- Innovate to make our datacenters more efficient
- Advocate for public policies needed for affordable, reliable, and sustainable power

2

We'll minimize our water use and replenish more of your water than we use.

- Reduce the amount of water our datacenters use
- Replenish more water than we use
- Provide greater local transparency
- Advocate for public policy that helps minimize water use

3

We'll create jobs for your residents.

- Invest in partnerships to train local construction workers
- Expand our Datacenter Academy program to train more individuals for ongoing operations roles
- Encourage local policymakers to support new job opportunities

4

We'll add to the tax base that funds first responders, schools, parks, and libraries.

- We won't ask municipalities to reduce their local property tax rates for datacenters
- We'll support policies to invest the added taxes we pay in the vital services the community cares about

5

We'll strengthen your community by investing in local AI training and non-profits.

- Partner with schools, community colleges, and universities to provide AI training
- Support adults with AI tools and skills through AI learning hubs in local libraries
- Support AI skills training for businesses
- Invest in local non-profits

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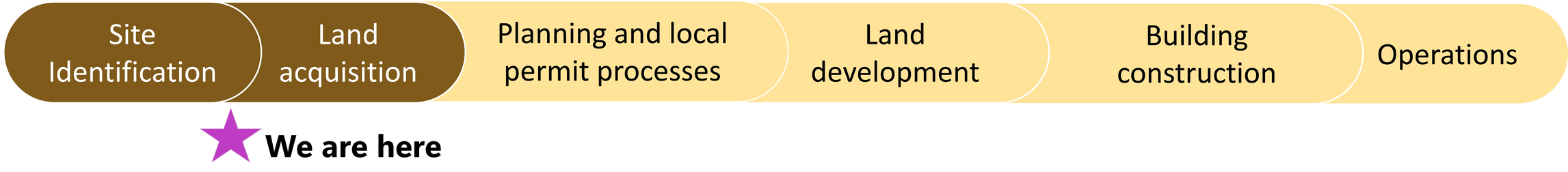
Microsoft datacenter investments and operations are designed with the local communities and surrounding areas and ecosystems in mind.

Datacenters are designed with landscapes in mind

- → Designing, building, and operating to world-class datacenter standards
- → Making sustainability a foundation for decisions as we work towards our commitments
- → Tailoring our approach based on local community needs and opportunities
- → Replenishing and revitalizing local ecosystems
- → Working with utilities as they aim to reliably serve all customers while meeting our needs, without shifting costs caused by our project to residents

Next Steps

There are six steps to establishing a new datacenter location



→ It’s early in the planning process

→ The proposal is undergoing rezoning review by the Township

→ Following this meeting, we will review the feedback received before we continue through the rezoning process

→ We will collaborate with neighbors and communities throughout planning, development, and operations

It’s a marathon, not a sprint

Microsoft

Prioritizing sustainability in our datacenters

Energy

- **We met our 2025 renewable energy goal** by purchasing enough renewable energy to match 100% of the electricity used across our datacenters, buildings, and campuses
- Growing **new** renewable energy generation capacity through Power Purchase Agreements (PPAs)
- Eliminating the use of diesel for backup power by 2030

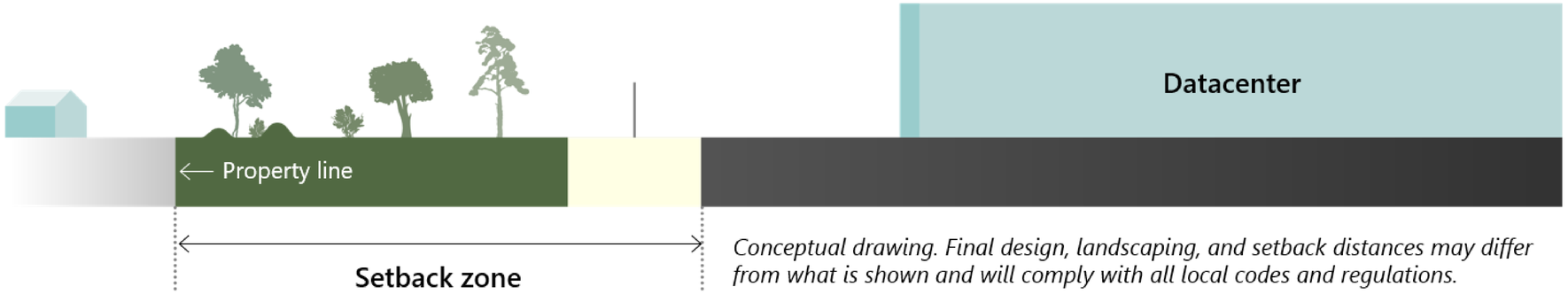
Water

- Designing datacenters to cool with outside air when possible **minimizing water use**
- Collecting rainwater for use where feasible

Waste

- Diverting **90 percent** of datacenter operational waste by 2030
- Building Circular Centers to **reuse servers and hardware**

Good neighbor datacenter design



Conceptual drawing. Final design, landscaping, and setback distances may differ from what is shown and will comply with all local codes and regulations.

Good Neighbor Guidelines are a set of recommendations developed by Microsoft to guide the design, construction, and operation of datacenters in ways that respect and support neighboring communities.

Community Access and Mobility: Prioritize pedestrian movement and child-friendly access near schools and neighborhood spaces.

Natural Screening: Consider existing vegetation and incorporate landscaping that fits the surrounding area.

Setbacks and Buffers: Maintain appropriate distance between datacenters and fenceline neighbors; use berms and other physical buffers to reduce visual impacts.

Noise and Lighting: Limit noise and light pollution through equipment location, sound attenuation, and shielded lighting.

Construction process: Work with the General Contractor to minimize local construction impacts.

Datacenter cooling

Datacenters are filled with thousands of powerful computers called servers, and when they run, they produce heat. To keep them working properly, the servers must stay at the right temperature, which requires cooling. At Microsoft, we cool our datacenters using as little water as possible. We use a mix of cooling approaches depending on where the datacenter is located. The most common types are described below as well as what is planned for our Michigan projects.

Outside air cooling

In cooler climates like Sweden, we use outdoor air to cool servers year-round. This kind of cooling is like rolling down your car windows.

Evaporative cooling

When temperatures stay below 85°F (29°C), we can cool our datacenters using outside air alone—no water needed.

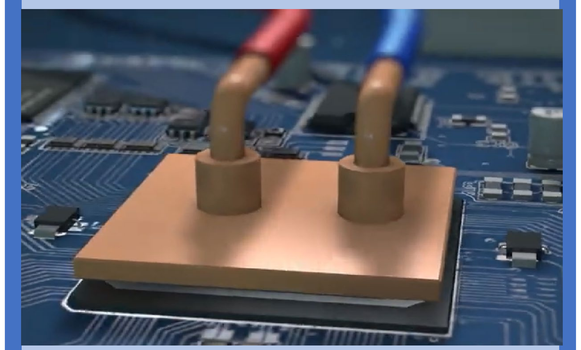
In Wyoming, we only cool with water in our datacenter 37 days a year.

On these days, some of the water evaporates—**much like how sweat helps cool your body**—while the rest is returned to the local utility to be treated just like household wastewater

Air-cooled chillers

Air cooled chillers rely only on air, similar to air conditioning in your home or car, with zero water use.

Chip-level cooling



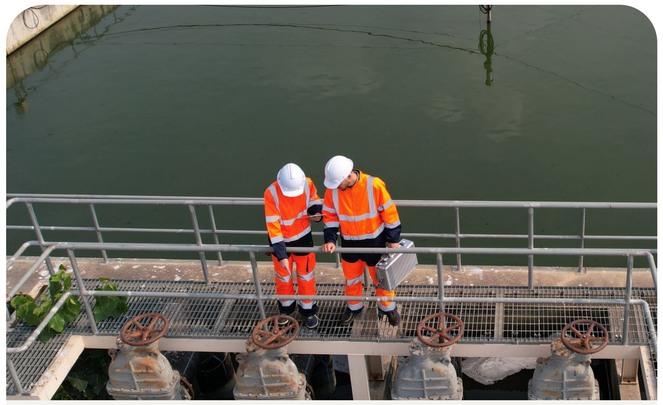
Our latest innovation circulates liquid directly to each chip in a closed loop—eliminating evaporation, supporting all three of the cooling methods, and meeting AI demands while saving water.

These are the cooling types anticipated for this project in Michigan

Responsible local water use and planning

Infrastructure costs

Microsoft pays for these upgrades. We take responsibility for sourcing any water we use so our datacenters don’t strain the community’s water supply or raise utility bills.



Planning for demand

We work with local utilities to make sure there is capacity available for our demands.

That might mean investing in necessary infrastructure such as water pipes or pumps to supply water to the datacenter.

Water use

At Microsoft's newest datacenters water is used primarily for supporting people – things like drinking water, handwashing and restrooms.

Some water use occurs during the construction and testing of the datacenter, after which routine operations use very little water.

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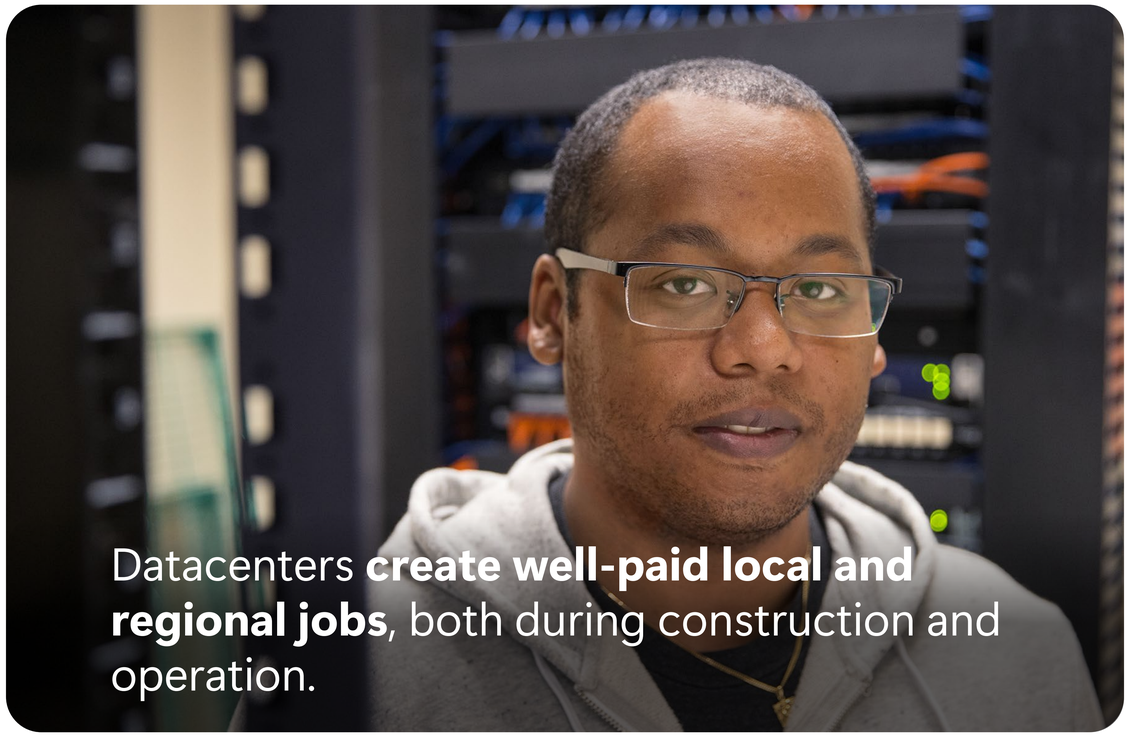
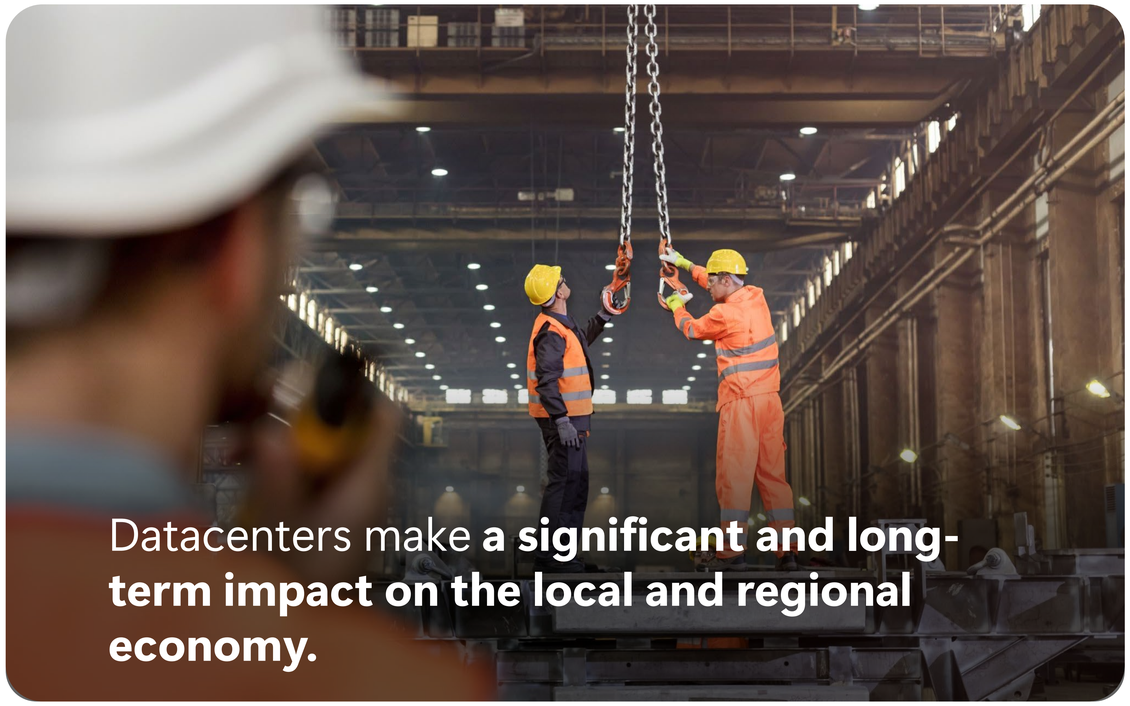
Creating jobs and supporting local businesses





Datacenter jobs span two employment areas including construction and operations jobs

Datacenter construction and hiring is led by our partners

- Electricians
- Plumbers and pipefitters
- Carpenters
- Structural iron and steel workers
- Concrete
- Earth movers

Datacenter Operations

- Campus management
- People management
- Critical environment operations
- Learning and development
- IT Operations
- Mechanical engineers
- Electrical engineers
- Security contractors
- Building maintenance

Cloud services help us stay connected, informed, productive, and power critical needs like hospitals, banking, and emergency services. As customer demand grows for cloud services, Microsoft is expanding our datacenter footprint, driving the need for skilled workers.

Microsoft datacenters represent a capital-intensive investment and long-term commitment to the community, bringing hundreds of highly skilled full-time and contractor jobs to build and operate our datacenters.

We want to hire local community members to help us build and operate our datacenters.

In several locations, Microsoft offers digital skills training and support in collaboration with local education partners to prepare community members for work in the IT sector, including datacenter jobs.

Historically, datacenter construction has continued for multiple years as Microsoft grows to meet customer demand.

Review the full list of job types on the next page and learn more about Microsoft roles at careers.microsoft.com.

Datacenter jobs span two employment areas including construction and operations

40+ types of jobs are required to **build a datacenter**

27+ types of jobs are required to **operate a datacenter** on an ongoing basis

On average, Microsoft datacenters provide **300-400** jobs annually depending on the size of campus and type of construction activity.

Visit local.microsoft.com to see profiles of datacenter employees.

uild a Microsoft datacenter

rect vendor field specialist jobs:

- Roofers
- Asphalt crews
- Fencing erectors, gates, and barriers
- Carpenters
- Structural steel workers
- Concrete laborers
- Reinforcement steel fixers
- Surveyors and setting crews
- General labor
- Lift and shift crews
- Ground logistics crews
- Soft landscape and gardeners
- Office administration
- Security Guards
- Catering staff
- Cleaning staff
- Security system installers
- Electricians
- Plumbers and pipefitters
- Fiber crews
- Fit out specialist – ceilings, internal walls, and doors
- Audio visual installers
- Fire stopping specialist
- Painters and finishing crews
- Specialist jobs

yee or directly contracted field specialist jobs:

ft Equipment Suppliers) Equipment installers

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perate a Microsoft datacenter

Learning and development
- L&D Trainer
- L&D Team lead

Security
- Security Responder
- Security Operations Center Supervisor
- Administrative Officer
- Site Security Manager

Critical Environment team
- CE Program Managers
- CE Field Service Engineers
- Mechanical Engineer
- Electrical Engineer
- Shift Technician
- Shift Lead
- Technical Supervisor Electrical/Mechanical

IT team
- DC Project Manager
- Senior Support Technician
- DC Technician
- Senior DC Technician
- Shift IT Technician
- Senior Shift IT Technician

Inventory & Asset Management
- DC Inventory & Asset Technician
- DC Inventory & Asset Senior Technician
- DC inventory & Asset Lead

Scan to learn more

Datacenter-jobs-fact-sheet.pdf

Or visit careers.microsoft.com

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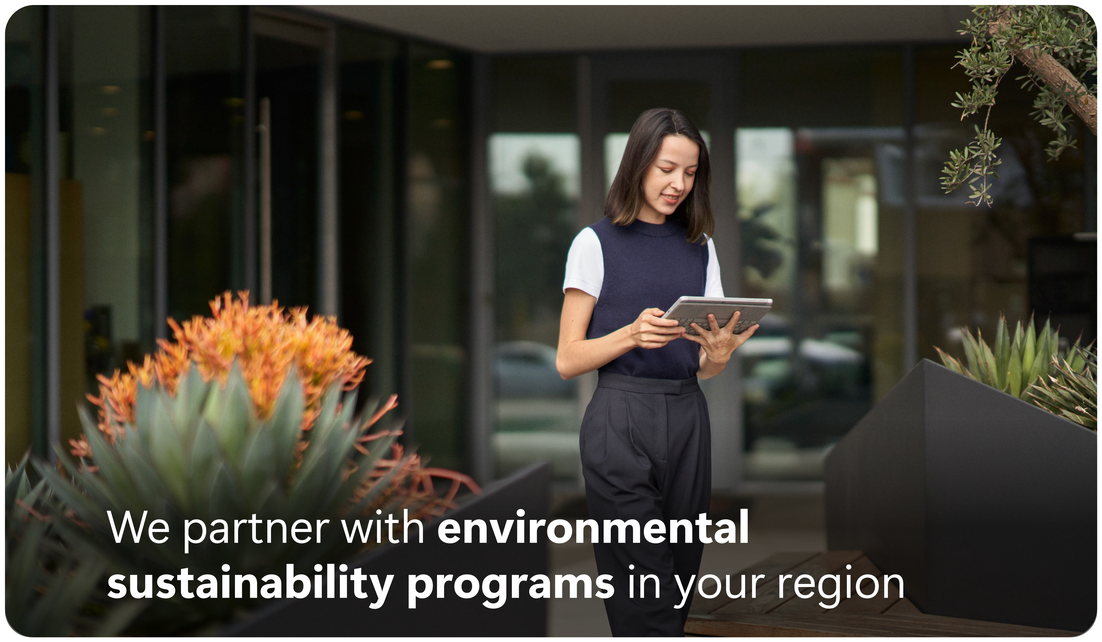
Investing in community programs and collaborations

Microsoft strives to be a good neighbor and to create a positive impact in the communities that are home to our datacenters.



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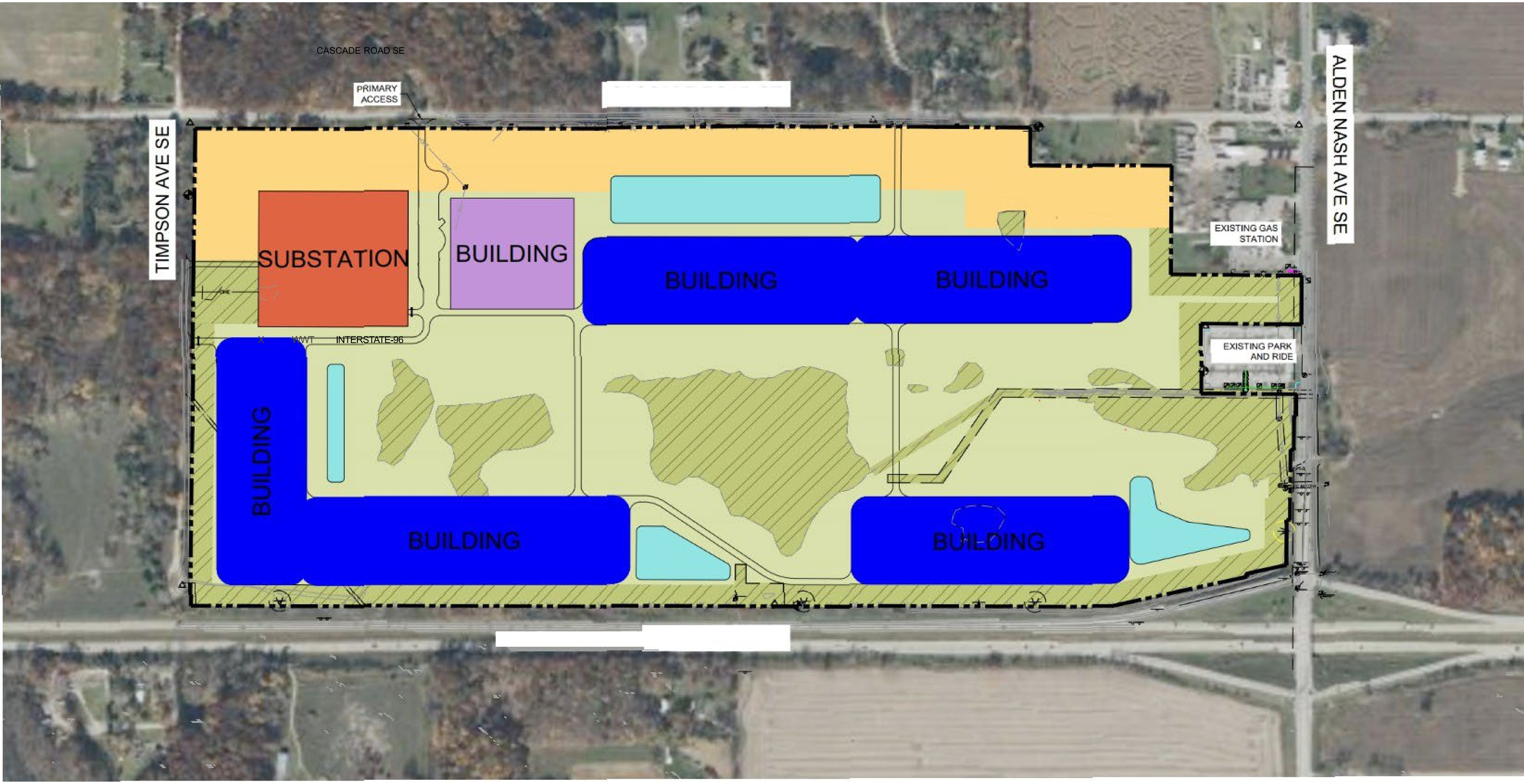
Conceptual design of the proposed project. Design is not final.

Microsoft



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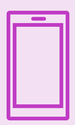
Thank you

Thank you for participating in our community meeting, we hope you found it useful and informative.

Feedback

If you have any further questions or comments, please contact the Microsoft Community Affairs team.



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For more information on Microsoft datacenters, visit:
aka.ms/Michigan