

Clean Energy Powers **Michigan**

REPORT



Executive Summary

The Great Lakes State's wind, solar and storage sectors provide **8%** of the state's electricity and are powered by over **\$8 billion** in private sector investments to date.

The state's utility-scale clean energy capacity, currently at **4,725 MW**, generates **\$116 million annually** in tax and land lease revenue for Michigan's communities. The wind, solar and storage sectors currently employ **11,400 Michiganders**.

By 2030, the state is expected to add an additional **4,700 MW** of utility-scale solar, **2,500 MW** of wind power, and **40 MW** of battery storage, representing a **154% increase** in total clean power capacity. These projects represent **\$10 billion** in expected private sector investment that will support Michigan's clean energy economy by 2030. This investment will drive job creation, increase tax payments, and generate substantial land lease payments.

Today...

Michigan ranks

#14 in the nation

for wind and solar deployed

11,400 Michiganders

work in wind, solar, and storage

8%

of Michigan's electricity provided by wind and solar

\$8 billion

in investments made into Michigan clean energy

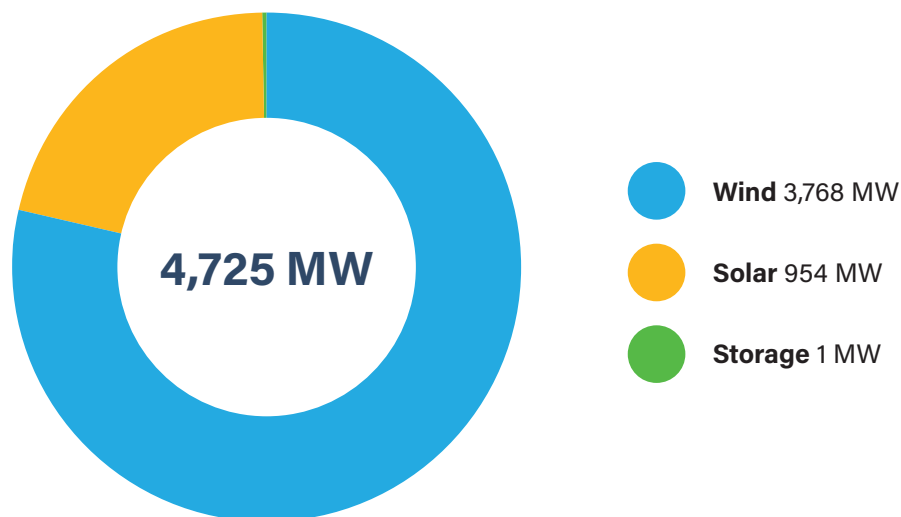
Clean Energy Economy

As of March 2024, Michigan's total clean energy capacity stands at **4,725 MW**. That is enough electricity to power the equivalent of **1.8 million homes** – roughly enough to power all the homes in the Detroit metropolitan area 7 times over!

The private sector has invested **\$8 billion** in utility-scale solar, wind, and storage projects, helping drive economic growth in the state. Michigan also hosts **25 operating clean energy manufacturing facilities**.

In total, solar, wind, and storage provide **11,362 jobs** to Michiganders across the state.

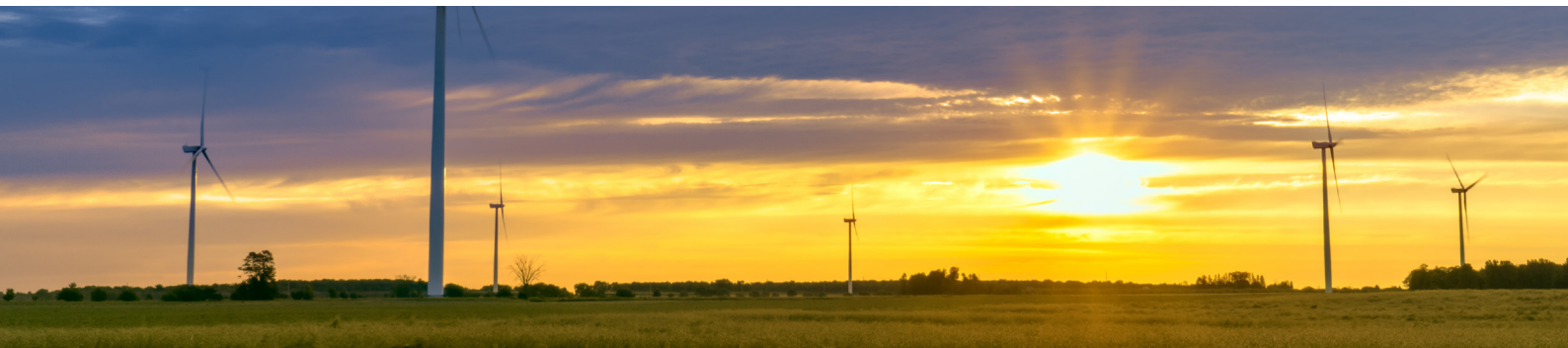
Clean Energy Capacity *as of Q1 2024*



Today, **8.3% of the state's electricity** comes from wind and solar.
This is enough electricity to power nearly **2 million homes**.

MICHIGAN

Clean Energy Investment



Clean Energy Project Investment *as of Q1 2024*

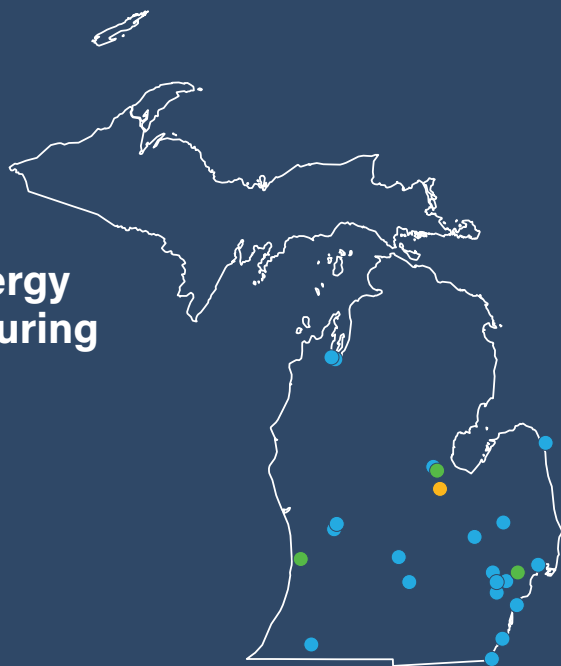


Investments in Michigan clean power total **\$8 billion dollars**. As more projects and manufacturing facilities are planned, total capital investment is expected to grow.

Clean Energy Manufacturing Facilities

as of Q1 2024

- Wind
- Solar
- Storage



25
manufacturing
facilities
operating

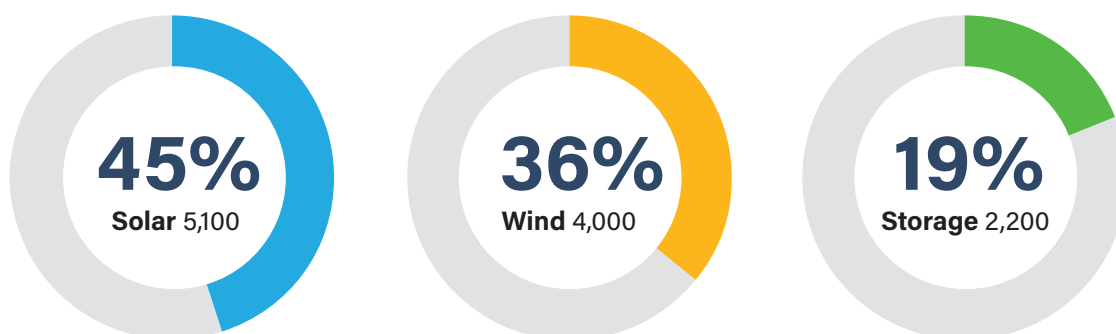
MICHIGAN

Clean Energy Jobs

11,362 jobs supported in the solar, wind, and storage sectors span jobs in construction, development, operations, and manufacturing.¹ [Learn more](#) about the breadth of jobs available across the clean energy sectors.

Clean Energy Jobs *as of Q1 2024*

Total Jobs: **11,362**



¹ <https://www.energy.gov/policy/us-energy-employment-jobs-report-userer>

MICHIGAN

Local Economic Contributions



Total: \$116 million annually

Clean energy projects invest **\$116 million** annually into Michigan's communities through land-lease and tax payments. These projects not only generate pollution-free American electricity but provide critical revenue on the state and local level that helps bridge budget shortfalls and allows communities to plan and invest in their future. This revenue can provide enough new income to repair roads, invest in schools, and fund essential services.

Landowners also benefit, receiving land lease payments from clean power located on their land. This allows families new avenues for drought-proof and flood-proof income, while allowing opportunities to hold onto land passed down through generations.

Clean Energy Drives Savings

Thanks to clean energy, Michiganders can expect to pay less for their utility bills than they could have expected to pay with a grid using traditional forms of energy generation.

A 2023 study found that clean energy legislation² would decrease household energy costs by an average of \$145 annually³, helping consumers save on their electricity bills.

² <https://www.michigan.gov/whitmer/news/press-releases/2023/11/28/governor-whitmer-signs-historic-clean-energy-climate-action-package>

³ <https://5lakesenergy.com/wp-content/uploads/2023/08/5-Lakes-MEIBC-MI-Clean-Energy-Framework-report.pdf>

Future Projections

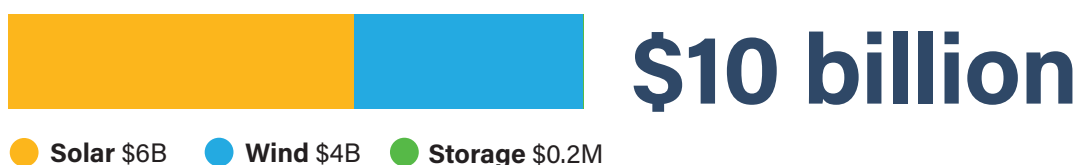
By 2030, Michigan anticipates adding **4,700 MW** of solar to its grid, **2,500 MW** of land-based wind power, and **40 MW** of battery storage.⁴ This represents a **154% increase** in total clean power by 2030, with **\$10** in capital investment expected.

The state's clean energy manufacturing sector will also benefit as companies evaluate new or expanded manufacturing facilities in reaction to enactment of the Inflation Reduction Act in late 2022.

For example, in March 2024, Corning announced plans to construct a solar manufacturing plant in Richland Township, Michigan.⁵ The company plans to invest up to \$900 million building the facility, which is projected to create more than 1,100 jobs.

The totality of the state's clean energy activity will spur job growth, increase estimated tax payments to **\$120 million** annually, and generate **\$98 million** in annual land lease payments.

Expected Clean Energy Capital Investment by 2030



● Solar \$6B ● Wind \$4B ● Storage \$0.2M



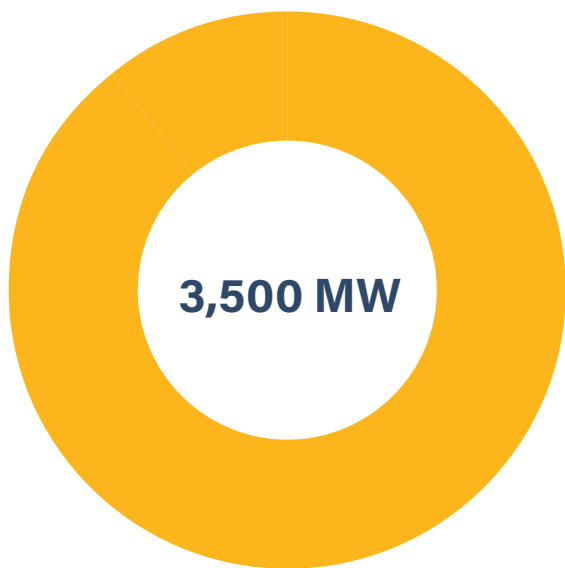
⁴ Estimates based on consultant forecasts, public announcements, and ACP analysis

⁵ <https://www.michiganbusiness.org/press-releases/2024/02/corning/>

MICHIGAN

Clean Energy Under Development (Pipeline)

Clean Energy Under Development *as of Q1 2024*



As of April 2024, there is 3,500 MW of utility-scale clean capacity under development. This is enough to power the equivalent of over 978,000 homes in Michigan.

 **Solar 3,500 MW**

Expected Additional Clean Energy Capacity by 2030

Estimates based on existing projects and forecasted pipeline

4,700 MW

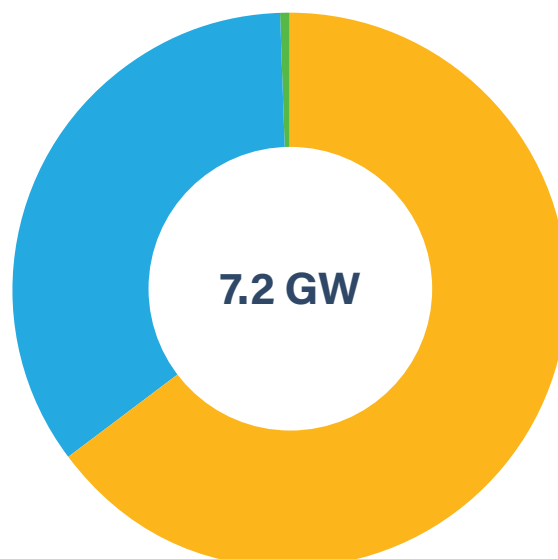
of additional solar

2,500 MW

of additional land-based wind power

40 MW

of additional battery storage



MICHIGAN

Local Economic Contributions by 2030

Estimates based on existing projects and forecasted pipeline



Tax Payments (State & Local)

\$127 million
annually

Land Lease Payments

\$107 million
annually

Total Expected Economic
Contributions in 2030

\$235 million
annually



The American Clean Power Association (ACP) is the leading voice of today's multi-tech clean energy industry, representing over 800 energy storage, wind, utility-scale solar, clean hydrogen and transmission companies. ACP is committed to meeting America's national security, economic and climate goals with fast-growing, low-cost, and reliable domestic power.

Learn more at [**FuelForThought.energy**](https://FuelForThought.energy).



Facebook / **@Fuel for Thought**



X / **@USCleanPower**



LinkedIn / **American Clean Power Association**

