



Michigan Clean Energy Plan Benefits

Michigan faces dire consequences from climate change, including drought, extreme rainfall, flooding, and rising water levels in the Great Lakes. Federal climate action, including funding from the Inflation Reduction Act (IRA) and Bipartisan Infrastructure Law (BIL), is helping Michigan minimize these impacts and prepare for a clean energy future. The majority (55%) of Michigan voters [support](#) the Clean Energy Plan after learning more about its policies, and as of December 2023, Michigan has [received](#) over \$3.6 billion in funding from the Clean Energy Plan. Clean energy investments have already [created](#) 16,699 good-paying clean energy jobs and expanded opportunities for households to save money in the Great Lake State. Funding is currently going to local communities across the state to upgrade drinking water infrastructure, promote climate resiliency, reduce pollution, and advance climate-smart agriculture.

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Key Talking Points:

- New clean energy projects since the Inflation Reduction Act passed have spurred [\\$21.3 billion](#) in new investments in Michigan and helped create or move forward 16,699 new clean energy jobs.
 - Rep. John Moolenaar's (MI-2), Rep. Tim Walberg's (MI-5), and Rep. Lisa McClain's (MI-9) districts each [benefited](#) from new clean energy projects, yet they [voted against](#) the Inflation Reduction Act in August 2022.
 - Rep. John James's (MI-10) district also [benefited](#) from new clean energy projects in his district, yet he opposed the IRA and [argued that the legislation](#) "cede(s) American automotive leadership" to China.

- As part of the Bipartisan Infrastructure Law's Clean School Bus Rebate Program, 24 Michigan school districts [received](#) over \$52.5 million in federal funds to purchase low- and zero-emission school buses in 2022.
 - In Michigan's 1st Congressional District, Pellston Public Schools received four electric school buses, Bessemer Area School District, L'Anse Area Schools, and Alcona Community Schools each received two, and Au Gres-Sims School District and Ojibwe Charter School each received one. This district is represented by Rep. Jack Bergman, who [voted against](#) the Bipartisan Infrastructure Law.
 - In Michigan's 2nd Congressional District, the Pentwater Public School District received two electric school buses. This district is represented by Rep. John Moolenaar, who [voted against](#) the Bipartisan Infrastructure Law.
 - In Michigan's 4th Congressional District, Hartford Public Schools received four electric school buses, and Hopkins Public Schools received three. This district is represented by Rep. Bill Huizenga, who [voted against](#) the Bipartisan Infrastructure Law.
 - In Michigan's 5th Congressional District, Jackson Public Schools received 21 electric school buses, Homer Community School District received seven, Britton Deerfield Schools received five, Cassopolis Public Schools received three, and Sand Creek Community Schools received two. This district is represented by Rep. Tim Walberg, who [voted against](#) the Bipartisan Infrastructure Law.
 - In Michigan's 9th Congressional District, Ubly Community Schools received six electric school buses, Harbor Beach Community School District received three, Mayville Community School District received two, and Armada Area Schools and Unionville-Sebewaing Area S.D. each received one. This district is represented by Rep. Lisa McClain, who [voted against](#) the Bipartisan Infrastructure Law.
- As part of the Inflation Reduction Act, the U.S. Department of Commerce [announced](#) its first-ever Climate Resilience Regional Challenge, which will provide \$575 million in funding to help coastal and Great Lakes communities, including tribal communities, become more resilient to extreme weather and other climate impacts.
- In April 2023, the EPA [announced](#) \$149.6 million for essential drinking water infrastructure upgrades across Michigan through the Drinking Water State Revolving Fund (DWSRF). The EPA received a \$6 billion funding boost from the Bipartisan Infrastructure Law to rebuild the nation's water infrastructure.

- In November 2023, over 46 farms and businesses in Michigan were [awarded](#) Rural Energy for America Program (REAP) grants, which received a \$2 billion boost through the Inflation Reduction Act.
 - Michigan’s 1st, 2nd, 4th, 5th, and 9th Congressional Districts each benefited from the REAP grants. Each of the congressional districts’ representatives, Rep. Jack Bergman (MI-1), Rep. John Moolenaar (MI-2), Rep. Bill Huizenga (MI-4), Rep. Tim Walberg (MI-5), and Rep. Lisa McClain (MI-9) [voted against](#) the Inflation Reduction Act.

Michiganders Are Benefiting From The Clean Energy Plan’s Expanded Funding For Energy Efficiency:

- [New rebates](#) of 50 to 100% on new energy-efficient electric appliances will help Michigan families save on their energy bills.
- According to the U.S. Department of Energy, families who install an efficient electric heat pump for heating and cooling can [receive](#) a [tax credit](#) of up to \$2,000 and save [an average of over \\$500](#) per year on energy bills. Families who make other energy efficiency improvements can [receive tax credits](#) worth up to \$500 for doors, \$600 for windows, \$150 for a [home energy audit](#), and up to 30% off the cost of new insulation—a total of up to \$1,200 per year in tax credits.
- In November 2022, the Biden administration [announced](#) Michigan would receive over \$211 million for consumer home energy rebate programs under the Inflation Reduction Act. This funding will [help](#) low-income households in Wayne County save 43% on home energy bills when they upgrade appliances and improve home energy efficiency through the program.
- The Inflation Reduction Act [includes](#) tax credits covering 30% of the costs to install solar panels and battery storage systems, make home improvements that reduce energy leakage, or upgrade heating and cooling equipment. An estimated additional 160,000 Michigan households will install rooftop panels due to the package’s tax credits.
- The Inflation Reduction Act includes grants for state and local governments to adopt the latest building energy codes, [saving](#) the average new homeowner in Michigan 10.7% on their utility bills, or \$337 annually.
- Through the Grid Resilience and Innovation Partnership (GRIP) Program, Consumer Energy [received](#) \$100 million to build out much-needed infrastructure investments, including additional protections against extreme weather events, in some of Michigan’s historically underinvested communities. DTE Energy [received](#) over \$22 million to develop a 100% renewable adaptive networked microgrid

(ANM) to increase customer grid reliability. The GRIP program is funded by the Bipartisan Infrastructure Law.

- As a part of the Inflation Reduction Act, the Department of Energy's Office of State and Community Energy Programs has up to \$225 million to grant to Tribal governments and Alaska Native entities for Home Electrification and Appliance Rebates. Through the Tribal Home Electrification and Appliance Rebates Program, 12 tribes in Michigan [received](#) over \$4.9 million in funding for energy efficiency and electrification home upgrades.
- As part of the Inflation Reduction Act, the U.S. Department of Housing and Urban Development [awarded](#) \$103.4 million in new loans and grants to significantly renovate the homes of 1,500 low-income households to be zero energy and resilient at 16 HUD-Assisted Multifamily Housing properties under the Green and Resilient Retrofit Program (GRRP). North Hill Farms in Pontiac [received](#) \$10 million in grants and Spring Valley Crossing in Kalamazoo [received](#) over \$3.3 million in a Surplus Cash Loan for upgrades.
- Drivers who buy qualifying clean vehicles can [receive](#) a tax credit of up to \$7,500 for a new vehicle and up to \$4,000 for a used vehicle.
- Michigan will [receive](#) over \$23 million in federal funding from the Bipartisan Infrastructure Law to help build out its EV charging network.
 - In January 2024, the Federal Highway Administration [announced](#) Lansing received \$8 million to expand its electric vehicle charging infrastructure.

The Clean Energy Plan Is Spearheading New Clean Energy Investments In Michigan:

- The Inflation Reduction Act will bring a further [\\$8.3 billion](#) of investment in large-scale clean power and storage projects to Michigan by 2030.
- New clean energy projects since the Inflation Reduction Act passed have spurred [\\$21.3 billion](#) in investment in the state and helped create or move forward 16,699 new clean energy jobs.
- New renewable energy investments will lower energy costs for Michiganders, with the cost of solar and wind power projected to drop by [33% and 22%](#), respectively, over the next 30 years.

Michiganders Are Benefiting From The Clean Energy Plan's Funding In Sustainable And Resilient Infrastructure:

- As part of the Bipartisan Infrastructure Law, the Consolidated Rail Infrastructure and Safety Improvement Grant [awarded](#) \$20.3 million to the Michigan Department of Transportation for the Manistee River Bridge Replacement Project in 2022.

- Funded by the Bipartisan Infrastructure Law, seven projects in Michigan [received](#) over \$83 million from the Rebuilding American Infrastructure with Sustainability and Equity (RAISE) program.
 - In 2023, three projects in Michigan [received](#) over \$31 million in funding from the RAISE program.
 - Pontiac [received](#) \$16.3 million for the Pike Street Clinton River Trail Connector project.
 - The Michigan Department Of Labor And Economic Opportunity [received](#) \$8 million to construct electric vehicle charging infrastructure in Redford for vehicle classes 1 to 8.
 - Jackson [received](#) \$6.7 million to reconstruct 1-mile of Martin Luther King Jr. (MLK) Drive from South Street to Morrell Street.
 - In 2022, four projects in Michigan [received](#) \$51.9 million in funding from the RAISE program.
 - The Michigan Department of Transportation [received](#) \$25 million to create a multimodal corridor in Downtown and Corktown Detroit.
 - Kalamazoo [received](#) \$5.9 million to redesign the Downtown Kalamazoo Transportation Network to be more walkable.
 - The Cadillac/Wexford Transit Authority [received](#) \$1.3 million to develop a Service Development Plan to consider new train services through fifteen counties between southeast Michigan and northern lower Michigan.
 - The Sault Ste. Marie Tribe of Chippewa Indians [received](#) \$19.7 million to make multimodal improvements on critical routes to essential services, including reconstructing 3 Mile Road with a non-motorized path, reconstructing the Shunk Road corridor, redesigning and reconstructing the Casino Road loop, among other improvements.
- As part of the Bipartisan Infrastructure Law, the Infrastructure for Rebuilding America Grant [awarded](#) \$104.6 million to the Michigan Department of Transportation for the I-375 Community Reconnection Project.

The Clean Energy Plan Is Helping Reduce Pollution In Communities Across Michigan:

- In March 2023, the Biden-Harris Administration [announced](#) a \$3 million grant for Michigan to develop innovative strategies to cut climate pollution and build clean energy economies. The funding, which comes from the Climate Pollution Reduction

Grant program created by the Inflation Reduction Act, was allocated to the Michigan Department of Environment, Great Lakes, and Energy.

- In March 2023, the Detroit-Warren-Dearborn Metro Area and the Southeast Michigan Council of Government Grand Rapids-Kentwood Metro Area each [received](#) a \$1 million grant to tackle climate pollution. The Climate Pollution Reduction Grant funding was [allocated](#) to the Southeast Michigan Council of Government and the Grand Valley Metro Council.
- Five tribal governments, the Inter-Tribal Council of Michigan, Match-E-Be-Nash-She-Wish (Gun Lake Tribe) Band of Potawatomi, Pokagon Band of Potawatomi, Little Traverse Bay Bands of Odawa Indians, and Keweenaw Bay Indian Community, were also [awarded](#) funding from the Climate Pollution Reduction Grant program.
- Funded by the Bipartisan Infrastructure Law, three projects in Michigan received over \$10 million from the Federal Transit Administration's Low- and No- Emission Vehicle Program.
 - In 2023, the Interurban Transit Partnership was [awarded](#) over \$6 million to replace aging diesel-fueled buses with compressed natural gas buses.
 - In 2022, MTA Flint [received](#) funding for zero-emission buses to replace diesel-hybrid transit buses that exceeded their useful life.
 - In 2022, Midland Dial-A-Ride [received](#) funding to buy electric transit vans to replace older gas vans.
- As part of the Bipartisan Infrastructure Law's Clean School Bus Rebate Program, 24 Michigan school districts have [received](#) over \$52.5 million in federal funds to purchase low- and zero-emission school buses in 2022.
 - The Pontiac City School District [received](#) 25 electric school buses; Jackson Public Schools received 21; the Dearborn City School District received 18; Ypsilanti Community Schools received 10; Homer Community School District received seven; Ubyly Community Schools received six; Britton Deerfield Schools and Chesaning Union Schools each received five; Hartford Public Schools and Pellston Public Schools each received four; Harbor Beach Community School District, Beecher Community School District, Cassopolis Public Schools, and Hopkins Public Schools each received three; Bessemer Area School District, L'Anse Area Schools, Alcona Community Schools, Mayville Community School District, Pentwater Public School District, and Sand Creek Community Schools each received two; and Au Gres-Sims School District, Ojibwe Charter School, Armada Area Schools, and Unionville-Sebewaing Area S.D. each received one.

- In January 2023, the EPA [announced](#) the selection of 280 school districts nationwide to receive nearly \$1 billion through the first Clean School Bus Program Grants Competition. Eight Michigan school districts [received](#) over \$86.6 million in funding.

The Clean Energy Plan Is Advancing Climate Resilience, Conservation, And Equity In Michigan:

- In September 2023, Michigan [received](#) a total of over \$32 million from the Urban and Community Forestry Grants to support eleven projects to combat climate change, expand access to green spaces, and create healthier communities. The Urban Community Forestry Grants Program is funded by the Inflation Reduction Act.
 - Ann Arbor was [awarded](#) \$1 million for the management, mapping, and assessment of its urban tree canopy.
 - The Detroit Resilient Tree Canopy Initiative (DRTCI) was [awarded](#) \$3 million to increase tree canopy coverage, improve landscape restoration, and inform long-term sustainability strategies.
 - Hamtrack was [awarded](#) \$1 million to replace trees lost to disease and age and ensure tree canopy continuity.
 - The Urban Reforestation Program was [granted](#) over \$750,000 to train arborists to develop a complete urban forest inventory in Jackson.
 - The Growing a Greener Kalamazoo project was [awarded](#) \$1 million to plant trees, remove hazardous trees, perform maintenance on trees, and remove stumps throughout 13 communities within Kalamazoo. The city will also partner with MyCITY YOU for a summer apprenticeship program and conduct extensive outreach and education.
 - Restoring Roots: Greater Lansing Urban & Community Forestry Program [received](#) \$5 million to preserve and grow Greater Lansing's tree canopy.
 - The Pontiac Urban Forestry Program was [awarded](#) \$1 million for tree maintenance and replacement as well as to create an inventory of all trees located within the city.
 - The Sterling Heights Urban Reforestation Initiative [received](#) \$500,000 to reforest 12,000 mature trees infected by the Emerald Ash Borer.
 - Friends of Grand Rapids Parks was [granted](#) \$5 million to plant trees alongside the residents of Greater Grand Rapids through its Forest Justice program.

- The Vibrant Canopy, Vital Community in Greater Flint program [received](#) \$5 million to increase urban tree canopy coverage by planting trees on public and private lands.
- The Greening of Detroit [received](#) over \$9.6 million to accelerate the number of trees planted in underserved neighborhoods in Detroit.
- In September 2023, the National Parks Service [announced](#) that Michigan would receive over \$4 million from the Inflation Reduction Act to address critical ecosystem resilience, restoration, and environmental planning needs. Some projects include:
 - Michigan and seven other states [received](#) a total of \$2.4 million to restore Midwestern forest ecosystems to be resilient.
 - Michigan and three other states [received](#) \$750,000 to assess and prescribe treatment for climate-threatened cultural resources in Midwest region parks.
 - The River Raisin National Battlefield Park and other national parks across the country [received](#) \$300,000 as part of the YMCA Partnership Program to engage diverse youth in climate change education and outdoor recreation.
 - The Keweenaw National Historical Park [received](#) \$311,000 to mitigate high-priority abandoned mine land features.
- The Inflation Reduction Act [awarded](#) \$30 million to the EPA's Environmental Justice Collaborative Problem Solving (EJCPS) Program. In 2023, One Love Global [received](#) \$500,000 for the Building Power among Black and Brown Youth for Water and Public Health Equity in Detroit project as part of the EJCPS Program.
- The Environmental Justice Government-to-Government (EJG2G) program [received](#) a total of \$84.1 million in the Inflation Reduction Act and annual appropriation act funding. In 2023, Ann Arbor was selected to [receive](#) \$1 million to create a regional climate resilience network. Flint was also selected to [receive](#) \$1 million to create a community engagement process for the Flint Climate Change and Resiliency Plan.
- The Inflation Reduction Act [includes](#) \$2.6 billion in funding to support coastal communities' resilience to changing climate conditions, including those on the Great Lakes.
 - In June 2023, the U.S. Department of Commerce [announced](#) its first-ever Climate Resilience Regional Challenge, which will provide \$575 million in funding to help coastal and Great Lakes communities, including tribal communities in those regions, become more resilient to extreme weather and other impacts of the climate crisis.

- In March 2022, Highland Park was [selected](#) to participate in the Department of Energy’s Communities Local Energy Action Program (LEAP). This project, which is part of the Justice40 Initiative, [received](#) \$500,000 for technical assistance to update the area’s outdated electricity grid, pursue locally owned, clean, renewable energy, and increase grid reliability and capacity.
- The Bipartisan Infrastructure Law [allocated](#) \$3.5 billion to the EPA for cleanup projects at Superfund sites across the country. In Michigan, four sites have received over \$27 million to accelerate cleanup.
 - The Charlevoix Municipal Superfund site in Charlevoix was selected to [receive](#) over \$4.4 million in cleanup funding.
 - The Tar Lake Superfund site in Mancelona Township was selected to [receive](#) funding.
 - The Velsicol Burn Pit in St. Louis was selected to [receive](#) over \$20 million.
 - Ten-Mile Drain in St. Clair Shores was selected to [receive](#) over \$2 million.

The Clean Energy Plan Is Helping Michigan Address Long-Standing Water Contamination:

- In February 2023, the EPA [announced](#) \$99.7 million to Michigan from the Bipartisan Infrastructure Law through this year’s Clean Water State Revolving Fund. The funding will support Michigan communities in upgrading essential water, wastewater, and stormwater infrastructure that protects public health and treasured water bodies.
- In February 2023, the EPA [announced](#) \$37.3 million from the Bipartisan Infrastructure Law to address emerging contaminants, like per- and polyfluoroalkyl substances in Michigan drinking water.
- In April 2023, the EPA [announced](#) \$149.6 million for essential drinking water infrastructure upgrades across Michigan through the Drinking Water State Revolving Fund (DWSRF). The EPA received a funding boost from the Bipartisan Infrastructure Law to rebuild the nation’s water infrastructure.

The Clean Energy Plan’s Funding Is Investing In Climate-Smart Agriculture – Benefiting Michigan Farmers, Ranchers, And Agricultural Businesses:

- The Inflation Reduction Act included an additional \$2 billion for the USDA’s Rural Energy for America Program (REAP). In November 2023, grant funding was [awarded](#) \$8.1 million to 46 Michigan farmers, ranchers, and businesses to invest in renewable energy, upgrade to energy-efficient equipment, and cut their energy costs.

- Under the Increasing Land, Capital, and Market Access Program, the 2020 Farmers Cooperative [received](#) funding to support historically underserved farmers in overcoming core barriers to attaining access to land, capital, market opportunities, and technical resources in Michigan and six other states. The Increasing Land, Capital, and Market Access Program is funded by the IRA.

Stories To Uplift

Clean Energy Investments Are A Boon To Communities Across Michigan:

- Since the passage of the Inflation Reduction Act, over [16,699 good-paying clean energy jobs](#) were created or moved forward in Michigan.
- Michigan's economy is driven by the auto industry. A 2019 study found that the auto industry contributes [\\$225 billion](#) to the state's economy, supporting [1 in 5 Michigan jobs](#). However, the industry has faced continual challenges since 2009, when major automakers [declared bankruptcy](#). New investments in EVs and batteries are helping revitalize auto manufacturing, making Michigan an auto industry powerhouse once again. Michigan is also attracting new clean energy investments in areas like hydrogen, helping to diversify the state's economy further.
 - In March 2023, Magna announced plans for a new seating facility in Auburn Hills to produce seats for GM EVs, creating [500 new jobs](#), which will be represented by the [United Auto Workers](#). The new facility follows Magna's previously planned expansions in October 2022. Magna announced a \$500 million investment to expand its battery enclosure manufacturing facility in St. Clair and open a new powertrain manufacturing facility in Shelby Township and a new seating facility in Detroit, creating more than [1,500 new jobs](#).
 - Our Next Energy's gigafactory is expected to drive \$1.6 billion in investment and create [2,112 good-paying jobs](#) in Van Buren Township. The company is partnering with Focus: HOPE to develop a [skill-based training program](#) for its employees modeled on established certification programs.
 - Nel Hydrogen plans to build an 'automated gigawatt electrolyzer' manufacturing facility in Michigan, bringing over [\\$400 million](#) in investment and creating over 500 jobs.
 - Eaton Corp.'s Projects are [expected](#) to generate a total capital investment of more than \$20 million and create 100 high-wage jobs in mobility and high-tech innovation. According to a June 22, 2023 press release from Gov. Whitmer, Eaton's Michigan project "is expected to generate a total capital

investment of more than \$20 million and create 100 high-wage jobs in mobility and high-tech innovation.”

The Clean Energy Plan Is Helping Michigan Farmers, Ranchers, And Agricultural Businesses:

- In November 2023, 46 farms and businesses in Michigan were [awarded](#) Rural Energy for America Program (REAP) grants, which received a \$2 billion boost through the Inflation Reduction Act.
 - The New Buffalo Animal Hospital Inc. [received](#) \$27,755 to purchase and install a 20.75 kilowatt (kW) roof-mounted solar photovoltaic system. This project will realize \$3,960 per year in savings.
 - Laketop Orchards LLC, a family-owned apple orchard, [received](#) \$250,000 to purchase and install a 254.80 kilowatt (kW) roof-mounted solar photovoltaic system that will annually save the business \$45,552.