OFME Overview
Mobility refers to technologies and services that enable people and goods to move around more freely.

Electrification refers to the range of technologies that use electricity to propel a vehicle.
At the end of 2019, a decade’s worth of effort across state government had helped position Michigan as the global mobility leader.

To further support and solidify those efforts, Governor Whitmer created the Michigan Office of Future Mobility and Electrification (OFME) in February 2020.

OFME was designed to be both an air traffic controller, and a rocket booster, for all the good work already happening in mobility across the state.
Executive Directive 2020-1 from the Governor Whitmer charged the OFME with coordinating a statewide approach for future mobility and electrification that bolsters Michigan’s economy, workforce, environment, and infrastructure priorities. That is why OFME is nestled between the four departments responsible for these priorities, creating the “tools” and “extra hands” necessary to help these teams maintain mobility leadership.

OFME Vision:
A stronger state economy through safer, equitable, and environmentally-conscious transport for all Michigan residents.

OFME Objectives:
- Increase Mobility Investment in MI.
- Lead the World in Mobility and EV Startups and R&D.
- Expand MI’s Smart Infrastructure.
- Grow EV Adoption in MI.
- Further Enable MI’s Mobility Workforce.
- Bolster MI’s Mobility Manufacturing Core.

Infrastructure: OFME works for MDOT on smart infrastructure projects and policies.

Charging & Grid Impact: OFME works for EGLE to help define electrification and clean fuel policy.

Economic Development: OFME works for MEDC on company relationships, attraction leads, and marketing campaigns.

Talent & Policy: OFME works for LEO on workforce projects and operates LEO’s Council on Future Mobility and Electrification.

Administration: LEO delegated authority through the MSF for the MEDC to operate and receive resources to run the OFME.

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Connectivity
Expand the networks of industry players and government partners.

- Over the past two years, OFME has made over 2,000 qualified introductions for 416 Michigan industry, university, and government partners.
- On average, OFME has made 4 introductions per business day for Michigan stakeholders since October 2020.

Partnership
Mine newly-expanded networks for partnership opportunities between the public and private sectors.

- OFME worked with MEDC, LEO, EGLE, MDOT, and EOG to generate 89 public-private partnerships around the state. This comes to 3 per month since October 2020.
- Deployments included rural EV charging solutions, EV workforce training, drone deliveries of food and medicine, better transit options, grid resiliency innovations, and AI for safer traffic intersections.

Investment
Use new partnerships to develop projects that attract investors.

- Working with MEDC, LEO, MDOT, EGLE and EOG, OFME uncovered nearly a half-billion ($478,585,473) to support future mobility projects in Michigan.
- On average, for every grant dollar OFME has awarded to deploy a new technology in a Michigan community, $3,500 has been provided by industry as match to sustain the deployment.

Innovation
Turn new investment into statement wins for Michigan.

- Deep collaboration between OFME, MEDC, LEO, MDOT, EGLE, and EOG to design the future of mobility has created several dynamic firsts in only two years.
OFME collaborations with MEDC, LEO, MDOT, EGLE, and EOG have averaged one published article per business day since October 2020. This amounts to over 500 local and national articles.

- CBS NEWS: A road in Detroit will charge an electric car while driving
- CAR AND DRIVER: Michigan Will Build Out EV Charging Stations for Lake Michigan Road Trips
- FAST COMPANY: Why e-bike maker Vela is ditching China for Detroit
- Forbes: 5 Reasons Michigan Has Become The "Silicon Valley Of Mobility Tech"
- EV Live: EV charging infrastructure proposed for 7 Michigan highways
- CNN: Michigan plans to redesign a stretch of road for self-driving cars
- Engadget: Detroit lets automakers test smart parking technology in a real garage
- Yahoo Finance: Ford International Airport Launches FLITE to Develop, Introduce New High-Tech Air Travel Solutions
- The Detroit News: Council recommends steps for Michigan to bolster mobility
- Detroit Free Press: National Park Service partners with Michigan to provide equitable access to national parks
- NPR: 5 Midwestern governors agree to create a network to charge electric vehicles
- CBC: Ontario and Michigan partner on cross-border drone study
- hollandsentinel.com: Whitmer helps launch EV charging stations at State Parks
- Automotive News: Why FLO chose Michigan to build EV chargers
Michigan’s mobility sector has momentum.

Under Governor Whitmer’s Leadership, Michigan has:

- **Over 28,000 new jobs in the auto industry** and maintained Michigan’s position as America’s #1 automotive R&D and manufacturing state.

- Made the **largest education investment in state history** to prepare future generations of Michiganders for careers in mobility and EVs.

- Set Michigan on a **path to carbon neutrality by 2050**, which includes a worry-free, statewide electric vehicle charging network before 2030.

- Continued to fix Michigan’s roads, while also **futureproofing with multiple American firsts** like the first AV vehicle corridor, and first wireless charging corridor for electric vehicles.

- Led national mobility policy conversations that included the creation of the **first 5-state compact in the Midwest to focus on EV adoption** and **7-state compact in the Midwest to focus on the development of a hydrogen economy.**
But there are challenges ahead.

Michigan’s Biggest Mobility Challenges This Decade:

• **Fierce competition for new mobility jobs.**

• **Fierce competition for new R&D and risk capital investment.**

• **Transitioning Michigan’s workforce** from traditional ICE skillsets to emerging AV and EV skillsets.

• **Transitioning Michigan’s infrastructure and grid** from primarily serving ICE vehicles to also serving EVs and AVs.

• Ensuring that **state regulatory environments keep pace** with the domestic and global markets.

• As the lead source of emissions pollution, **decarbonizing the transportation sector** is key to fighting climate change.
MI Future Mobility Plan
To address these challenges, state leaders, with guidance from industry and academia, came together to construct the MI Future Mobility Plan.

- Executive Office of the Governor
- Michigan Office of Future Mobility and Electrification
- Michigan Council on Future Mobility and Electrification
- Michigan Department of Labor and Economic Opportunity
- Michigan Department of Environment, Great Lakes and Energy
- Michigan Department of Transportation
- Michigan Department of Natural Resources
- Michigan Department of Insurance and Financial Services
- Michigan Department of Treasury
- Michigan State Police
- Michigan Economic Development Corporation
- Michigan Public Service Commission
Michigan’s Vision for Mobility and Electrification: Build a strong, vibrant economy through safer, more equitable and environmentally-conscious transportation for all people.
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Transition and Grow Our Mobility Industry and Workforce

- Create 20K new jobs by 2026 while increasing the median wage of mobility sector jobs.
- Add 7K workers with mobility credentials by 2030 — while increasing diversity in the sector’s workforce.
- Ensure Michigan maintains a resilient automotive manufacturing sector that supports at least 170K jobs through 2030.
GM to invest historic $7 billion in 4 facilities across Michigan, creating 4,000 jobs
Ford, Google, State of Michigan, and City of Detroit investing over $850 million in a 1.2 million-square-foot campus focused on mobility innovation and startups.

Ford, Google are founding partners in Michigan Central Innovation District.
Michigan’s Vision for Mobility and Electrification: Build a strong, vibrant economy through safer, more equitable and environmentally-conscious transportation for all people.

Provide Safer, Greener and More Accessible Transportation

- By 2030, deploy 100K EV chargers to support 2M EVs and improve access to hydrogen infrastructure.
- Maintain at least 80% of EV charging off-peak to minimize impacts on the grid.
- Reduce congestion and traffic crash rates statewide by 2026.
- Provide residents with consistent access to mobility-as-a-service options across Michigan’s 77 transit agencies by 2025.
“We’re approving funding for the first 35 states, including Michigan, to build their own electric charging infrastructure throughout their state, and you all are going to be part of a network of 500,000 charging stations,” Biden said.
Ford-backed Cavnue seeks to rewire I-94 for self-driving cars

By Nick Manes
Michigan’s Vision for Mobility and Electrification: Build a strong, vibrant economy through safer, more equitable and environmentally-conscious transportation for all people.

Lead the World in Mobility Policy and Innovation

• Maintain #1 state ranking for mobility and electrification R&D spend.
• Become a top 10 state for growth in venture capital funding by 2026.
• Become a top 10 state for federal investments related to mobility and vehicle electrification.
• Lead the nation in electric and automated vehicle friendliness through responsive policies.
This parking garage is a high-tech research lab
## Council on Future Mobility & Electrification

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Implementation Approach:

Our approach is to launch and grow programs that create the right set of conditions for economic and community development.
For Questions, Please Contact:

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