# BIODIESEL FOR MICHIGAN

How a strong biodiesel industry benefits our state

MICHIGAN ADVANCED BIOFUELS COALITION

## What biodiesel means for Michigan

**Healthier communities**

- *Harmful emissions from diesel engines contribute to lung disease and other health issues. Cleaner-burning biodiesel reduces emissions for better air quality*
- *Switching to B20 would bring $53 million, while B100 would bring $267 million in potential annual health benefits to Detroit residents – including less respiratory disease and fewer lost work days.*[4]

**Economic growth**

- *Biodiesel supports Michigan's economy, builds revenue and creates jobs through in-state production, distribution and sales*
- *Biodiesel adds value to soybeans grown by Michigan farmers*

[1] *Indigenous Energy, MI retail fuel survey, 2024*

[4] *Trinity Consultants, Assessment of health benefits from biodiesel as a transportation fuel, 2022.*

**Many Michigan fleets** take advantage of the proven benefits of biodiesel fuel. This renewable alternative to petroleum diesel provides a cleaner environment and adds economic value to our state.

Despite the benefits biodiesel offers, a recent survey of retail fuel stations across Michigan showed that only stations carried biodiesel blends of B5 to B20.[1]

Many Midwestern states offer tax incentives to encourage adoption of higher biodiesel blends at the retail level. Similar programs in Michigan would increase biodiesel availability for diesel operators.

### Michigan's Current Annual Diesel Consumption and Carbon Footprint

1 Billion Gallons

Annual Diesel $CO_2$ Emissions[2] ~10 million metric tons

### Michigan's Projected Annual Biodiesel Consumption and Carbon Reduction, if the Following Average Blends are Used

| Biodiesel Blend | Projected Annual Consumption | Reduction in $CO_2$ Emissions from using Biodiesel[3] | |
|---|---|---|---|
| B5 | 50 Million Gallons | 3.7% | .38 million metric tons |
| B10 | 100 Million Gallons | 7.5% | .75 million metric tons |
| B20 | 200 Million Gallons | 15% | 1.5 million metric tons |

[2] One gallon of diesel emits 0.0102 Metric tons of $CO_2$ - Source: US Environmental Protection Agency
[3] B100 usage reduces lifecycle $CO_2$ emissions by an average 74% - Source: US Department of Energy

## Opportunities for Michigan's future

Michigan has significant potential to improve the quality of life for its citizens by encouraging greater biodiesel use, whether it's through a biodiesel standard or through incentives to encourage investment in soybean processing or biodiesel production, blending and distribution.

Many Midwestern states offer incentives and other programs to encourage adoption of higher biodiesel blends. These programs correspond to higher biodiesel consumption.

Want to know more about biodiesel? Visit miadvancedbiofuels.com or contact Michigan Soybean Committee/Michigan Soybean Association at 989-652-3294 or soyinfo@michigansoybean.org.

MICHIGAN SOYBEAN COMMITTEE

MICHIGAN SOYBEAN ASSOCIATION