

## Economic Impact of Statewide E15 Use in Michigan

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Michigan drivers used an estimated 4.2 billion gallons of ethanol blended gasoline in 2022. Michigan's five operating ethanol plants produced an estimated 340 million gallons of ethanol in 2022. Consequently, Michigan imports ethanol from other ethanol producing states.

As shown in Table 1 implementing statewide use of E15 in Michigan would require an additional 888 million gallons of ethanol, 506 million gallons short of existing capacity. A statewide E15 standard would create a substantial incentive for industry expansion.

The value of the output (ethanol, DDGS, distiller's corn oil) from producing the additional ethanol created by a statewide E15 standard amounts to \$1.8 billion. The farm gate value of the 188 million bushels of corn feedstock used to produce this ethanol was \$1.3 billion in 2022.

The economic activity generated by producing the ethanol required to meet a statewide E15 standard would:

- add nearly \$1 billion to Michigan GDP,
- support 20,210 jobs in all sectors of the Michigan economy,
- generate \$753 million in additional income for Michiganders,

**Table 1**  
**Michigan: Economic Impact of Implementing Statewide E15 Use**

Industry Data		Additional Expenditures (Mil \$)	\$1,657.8
Operating Plants	5	Feedstock (Corn)	\$1,337.8
Motor Gasoline Use (Mil gal)	4,331	Natural Gas , Electricity, Water)	\$191.8
Current EtOH Blends (Mil gal)	4,223	Other	\$128.2
Current EtOH Capacity (Mil gal)	382	<b>Value of Additional Output (Mil \$)</b>	<b>\$1,819.9</b>
Current EtOH Production (Mil gal)	340	Ethanol	\$1,381.7
Statewide E15 EtOH requirement	888	DDGS	\$345.4
Production Shortfall (Mil gal)	-548	DCO	\$92.8
Capacity shortfall (Mil gal)	-506	<b>Economic Impact</b>	
Addl Corn to meet E15 req (Mil bu)	188	GDP (Mil \$)	\$1,009.9
		Jobs (FTE)	20,210
		Income (Mil \$)	\$753.3