

Economic Impact of Statewide E15 Use in Ohio

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Ohio drivers consumed nearly 5 billion gallons of motor gasoline in 2019 with an ethanol content in terms of E10 of 470 million gallons. Ohio's seven ethanol plants also produced an estimated 408 million gallons of ethanol in 2019. As shown in Table 1 implementing statewide E15 use would require an additional 235 million gallons of ethanol. The value of this output (ethanol, DDGS, distiller's corn oil) amounts to \$432 million. The farm gate value of the 84 million bushels of corn feedstock used to produce this ethanol was \$328 million in 2019.

The economic activity generated by this industry output would add nearly \$650 million to Ohio GDP and generate \$231 million of income for Ohio households. Additionally, expanding ethanol use to E15 will generate more than \$57 million of state and local tax revenue.

The direct effects in Table 1 represent the impacts of ethanol and co-product production. The largest economic impacts are the indirect effects that represent the business-to-business transactions required to produce the additional ethanol required to meet E15 use.

Table 1
Economic Impact of Implementing Statewide E15 Use in Ohio

Gasoline Use (Mil gal)	4,823
E10 Use (Mil gal)	470
Estimated E15 Use (Mil gal)	705
Additional E15 Use (Mil gal)	235
Corn Use for E15 (Mil bu)	84
Corn Use for E15 (Mil \$)	\$328.4
Value of Output (Mil \$)	\$432.0
Ethanol	\$303.3
DDGS	\$111.0
Distillers Corn Oil	\$17.7

ECONOMIC IMPACT	Total	Direct	Indirect	Induced
Output (Mil \$)	\$1,443.8	\$432.0	\$824.2	\$187.6
GDP (Mil \$)	\$649.7	\$194.4	\$370.9	\$84.4
Income (Mil \$)	\$231.4	\$27.6	\$148.3	\$55.5
Tax Revenue (Mil \$)	\$57.2			