

2015 ETHANOL PRODUCTION

ANOTHER YEAR, ANOTHER RECORD

After a banner year in 2014, the U.S. ethanol industry faced a host of familiar challenges in 2015. Low oil prices led to challenging production economics. Regulatory indecision caused uncertainty in the marketplace. And, ethanol opponents ramped up their campaign against the Renewable Fuel Standard (RFS).

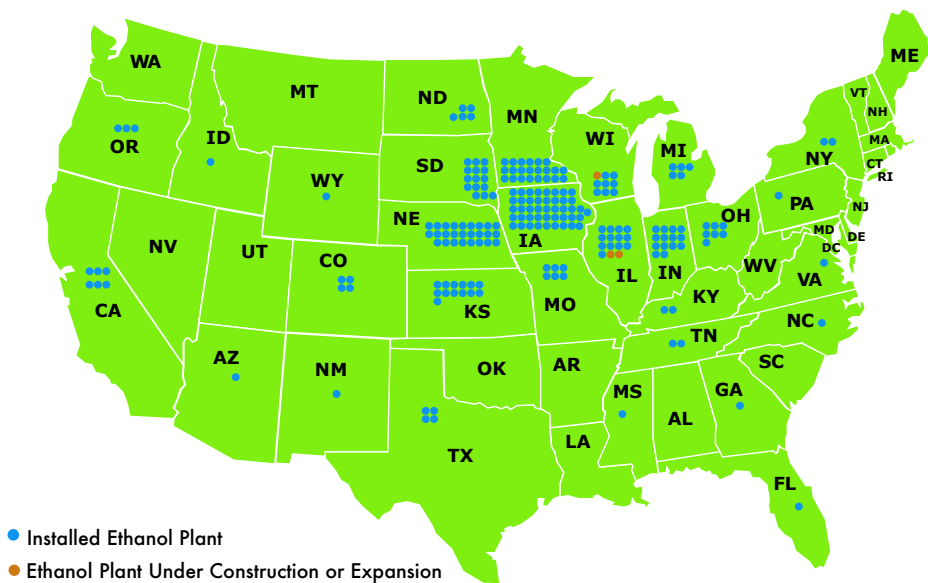
But the ethanol industry again showed its strength and resolve in 2015. Booming export demand and ethanol's indispensable value as a clean, low-cost octane booster helped producers weather the storm. In fact, ethanol biorefineries in 29 states produced a record 14.7 billion gallons of high-octane renewable fuel and some 40 million metric tons of high-protein animal feed. Domestic ethanol blending also hit a new record, as lower oil prices led to an eight-year high in gasoline consumption. The third-largest corn crop in history also was a bright spot.

Meanwhile, the White House and Environmental Protection Agency (EPA) dealt a blow to ethanol producers, farmers, and consumers when they finalized RFS volume requirements for 2014-2016 that were below the levels mandated by Congress.

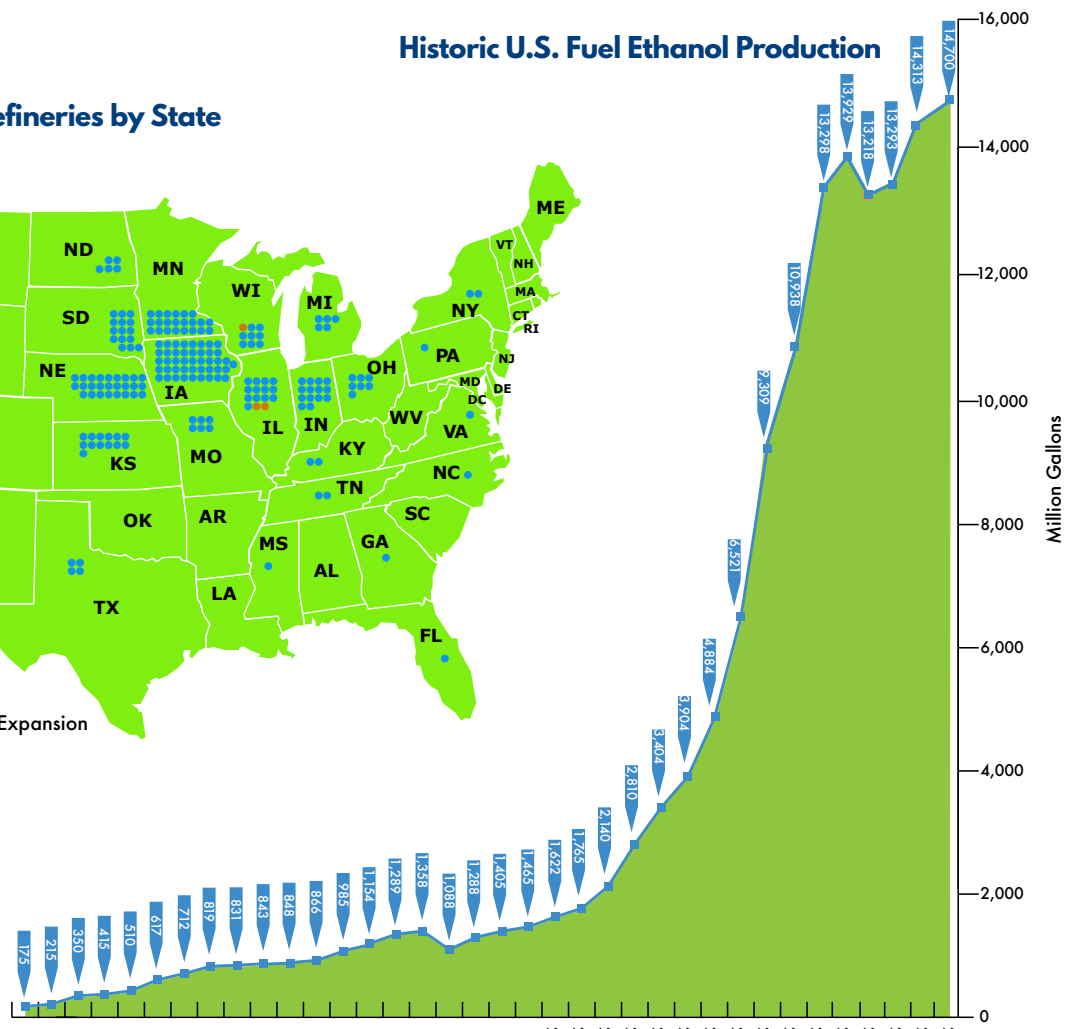
In the end, while OPEC's strategy to snuff out competition was successful in bringing the U.S. fracking boom to a halt, it certainly didn't deter America's ethanol producers from reaching new heights. And while the administration's mismanagement of the RFS continued to create uncertainty, it didn't stop the ethanol industry from innovating and adopting new technologies.

As 2016 began, America's ethanol producers remained ready for whatever challenges might arise in the new year, and poised to seize upon any new opportunities to expand production and use of homegrown renewable fuel.

U.S. Fuel Ethanol Biorefineries by State



Historic U.S. Fuel Ethanol Production



Source: U.S. Dept. of Energy and RFA

* Estimated



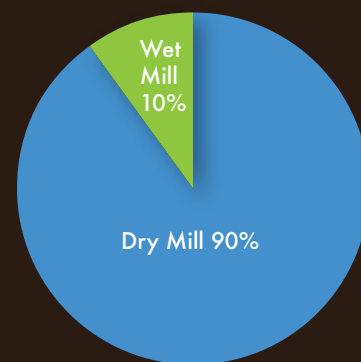
U.S. Ethanol Production Capacity by State

(Million Gallons/Year)

Production Facilities

	Production Capacity	Operating Production	Under Construction/Expansion	Total	Installed Ethanol Biorefineries	Operating Ethanol Biorefineries	Biorefineries Under Constr./Expansion
Iowa	3,947	3,921	-	3,947	44	42	0
Nebraska	2,119	2,066	-	2,119	26	24	0
Illinois	1,635	1,597	157	1,792	15	14	2
Minnesota	1,190	1,172	-	1,190	22	21	0
Indiana	1,163	1,163	-	1,163	14	14	0
South Dakota	1,032	1,032	-	1,032	15	15	0
Kansas	552	502	-	552	13	11	0
Wisconsin	537	537	5	542	9	9	1
Ohio	528	528	-	528	7	7	0
North Dakota	465	465	-	465	5	5	0
Texas	390	390	-	390	4	4	0
Michigan	273	273	-	273	5	5	0
Missouri	271	256	-	271	6	6	0
Tennessee	225	225	-	225	2	2	0
California	223	218	-	223	6	5	0
New York	169	169	-	169	2	2	0
Oregon	150	42	-	150	3	2	0
Colorado	127	127	-	127	4	4	0
Georgia	120	120	-	120	1	1	0
Pennsylvania	110	110	-	110	1	1	0
Idaho	60	60	-	60	1	1	0
North Carolina	60	-	-	60	1	0	0
Virginia	60	-	-	60	1	0	0
Mississippi	54	54	-	54	1	1	0
Arizona	50	50	-	50	1	1	0
Kentucky	36	36	-	36	2	2	0
New Mexico	30	-	-	30	1	0	0
Wyoming	10	-	-	10	1	0	0
Florida	8	-	-	8	1	0	0
TOTAL U.S.	15,594	15,113	162	15,756	214	199	3

U.S. Ethanol Production by Technology Type



Source: U.S. Dept. of Agriculture

Source: Renewable Fuels Association, as of January 2016