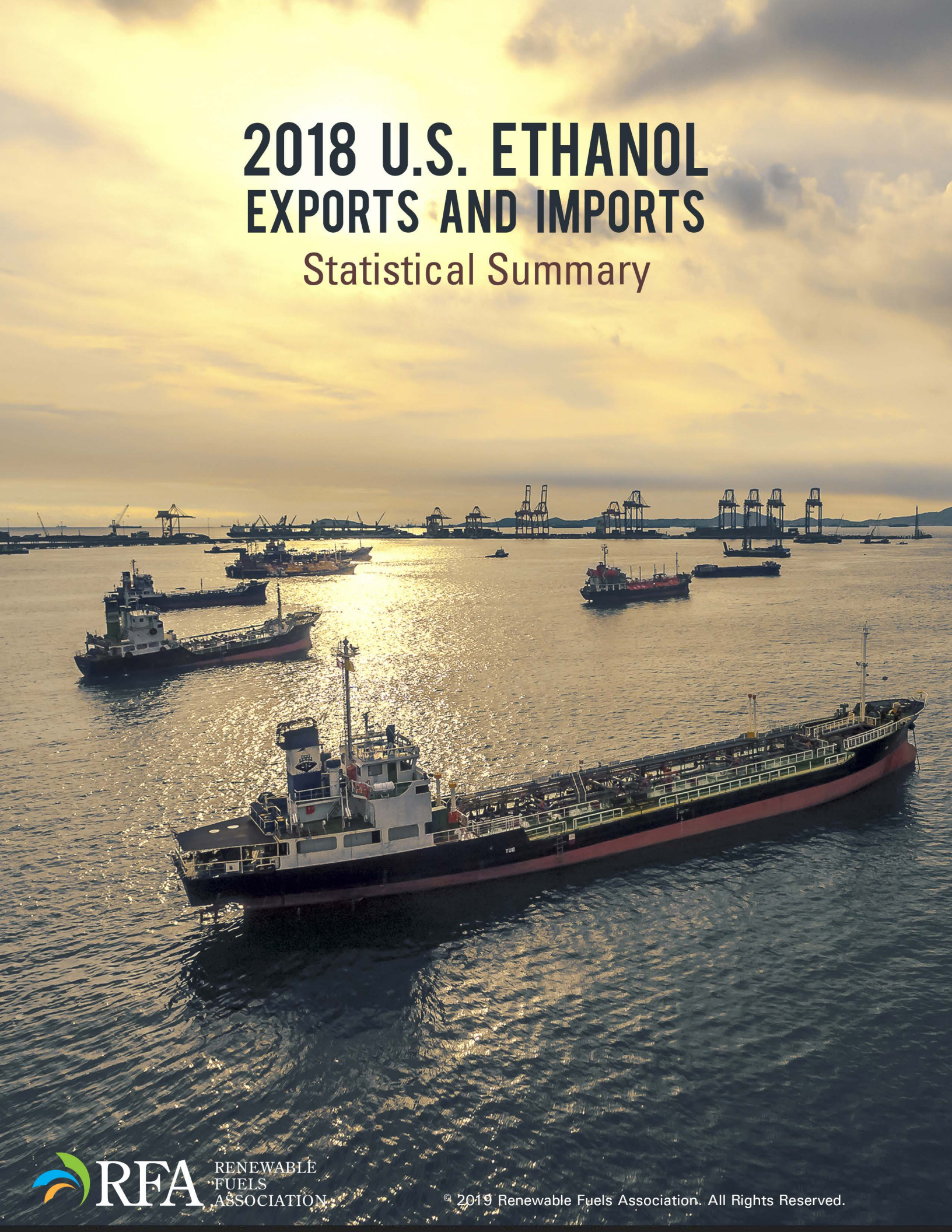


# 2018 U.S. ETHANOL EXPORTS AND IMPORTS

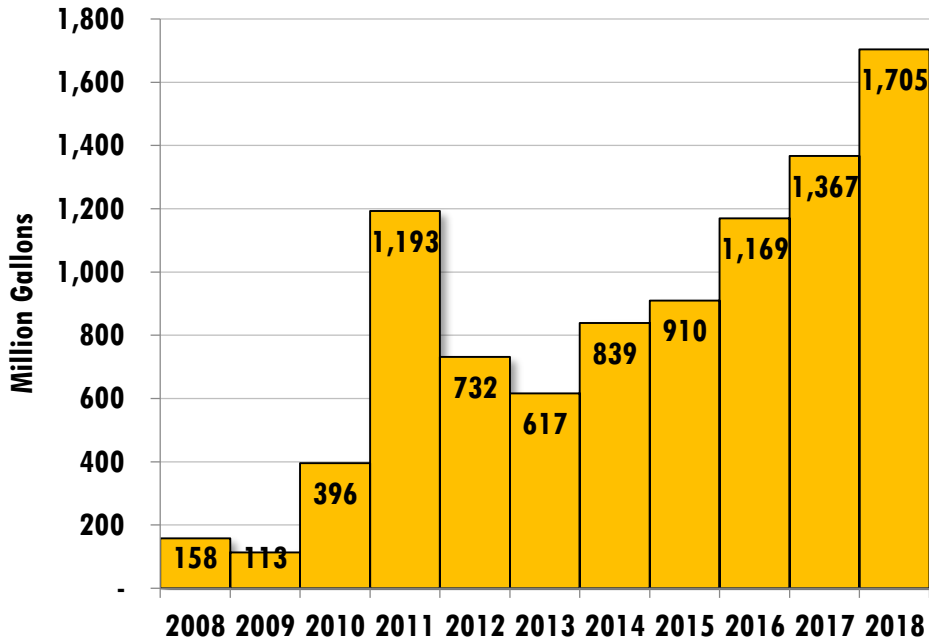
## Statistical Summary





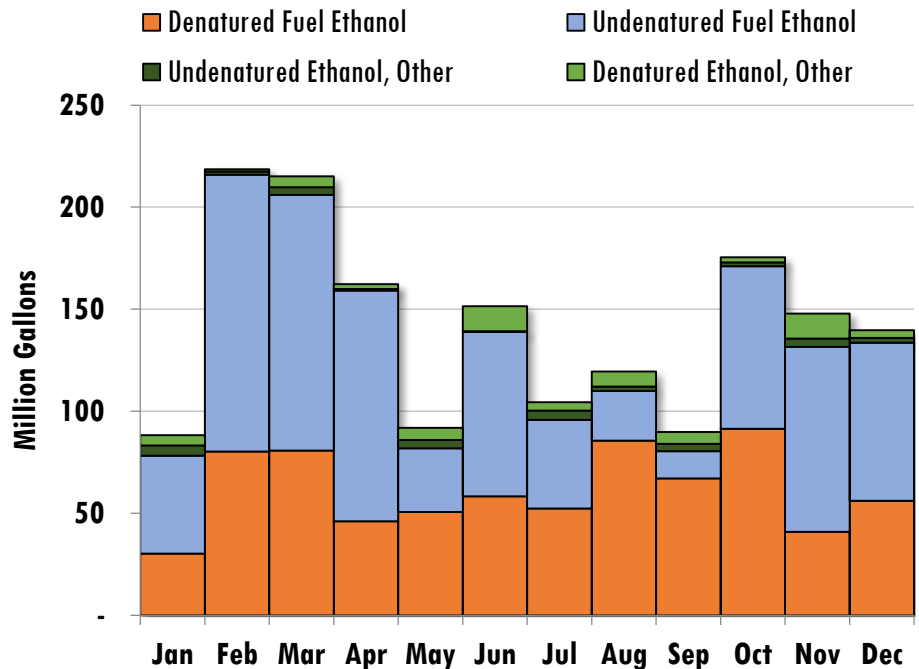
# 2018 U.S. ETHANOL EXPORTS

## Annual U.S. Ethanol Exports



The U.S. exported **1.70 billion gallons** of ethanol in 2018—up 24% from 2017 and the highest annual volume on record. American-made ethanol was exported to **more than 80 countries** on all six inhabited continents around the world.

## 2018 Monthly Ethanol Exports, by Type

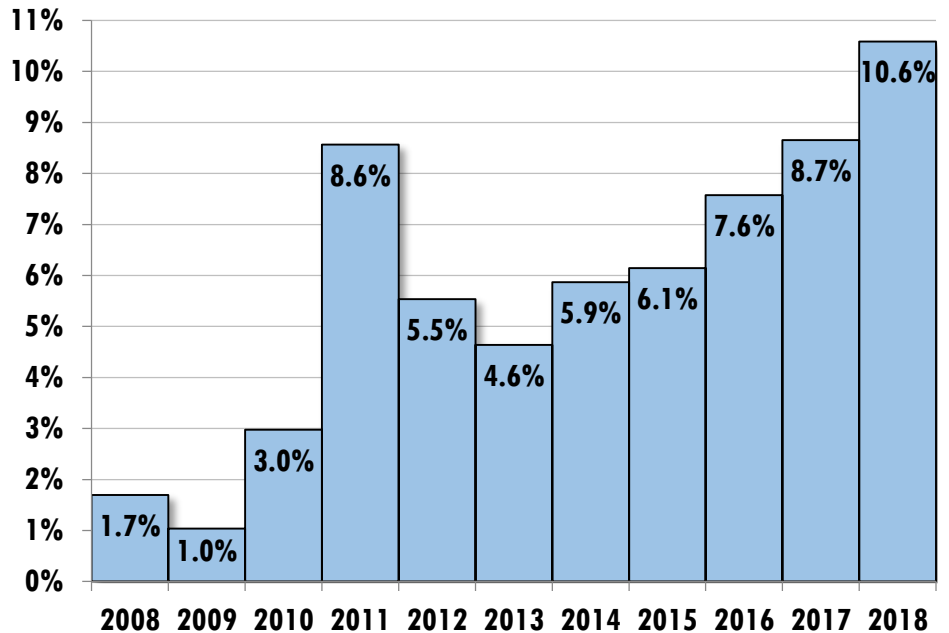


Undenatured ethanol for fuel use accounted for **51%** of total exports in 2018. Denatured ethanol for fuel use made up **43%**. Meanwhile, denatured and undenatured ethanol for non-fuel industrial uses accounted for the remaining **6%**.

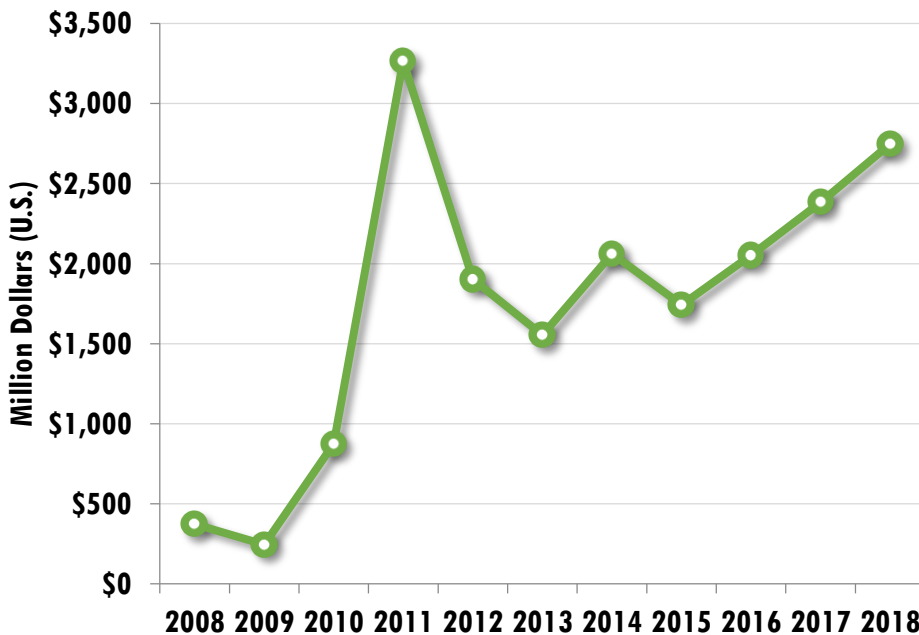
# 2018 U.S. ETHANOL EXPORTS

## Export Share of U.S. Ethanol Production

Exports surged to a record **10.6%** of total U.S. ethanol production in 2018. More than one out of every 10 gallons produced was exported.



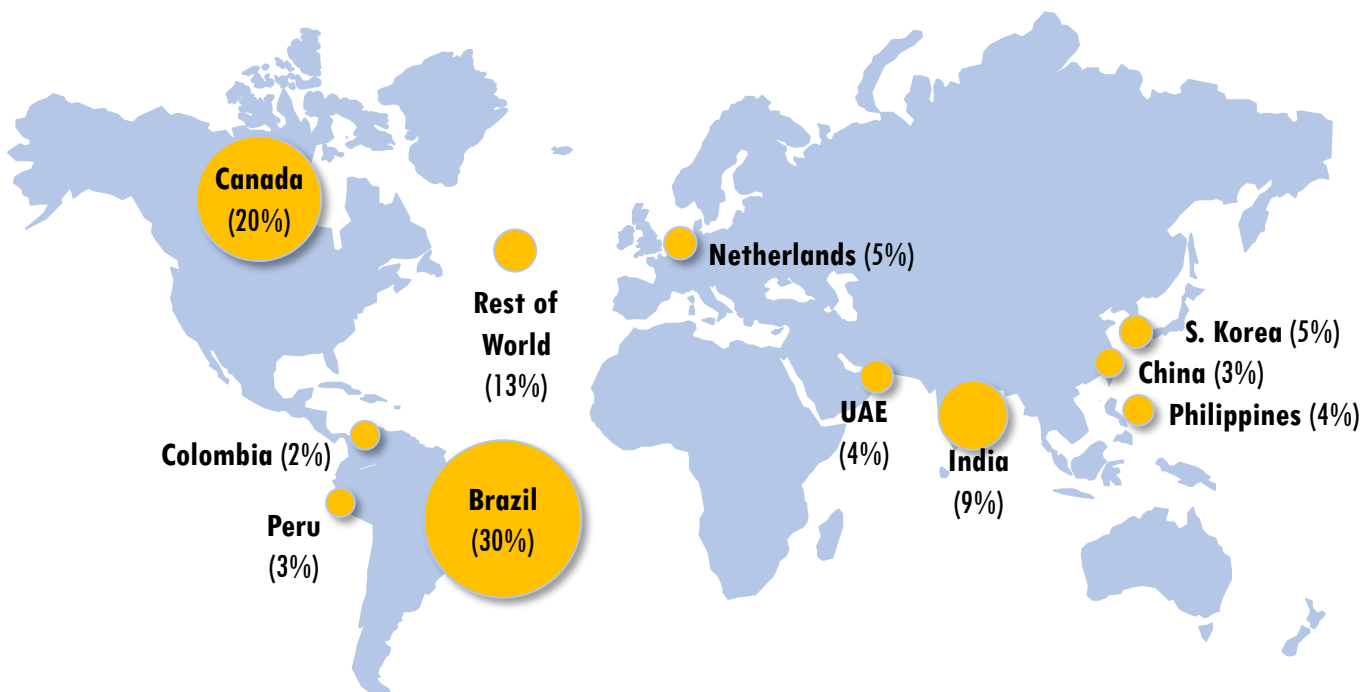
## Value of U.S. Ethanol Exports



U.S. ethanol exports were valued at **\$2.75 billion** in 2018, up 15% from 2017 and the second-highest on record.

# 2018 ETHANOL EXPORTS: TOP MARKETS

## Top Markets for U.S. Ethanol Exports in 2018



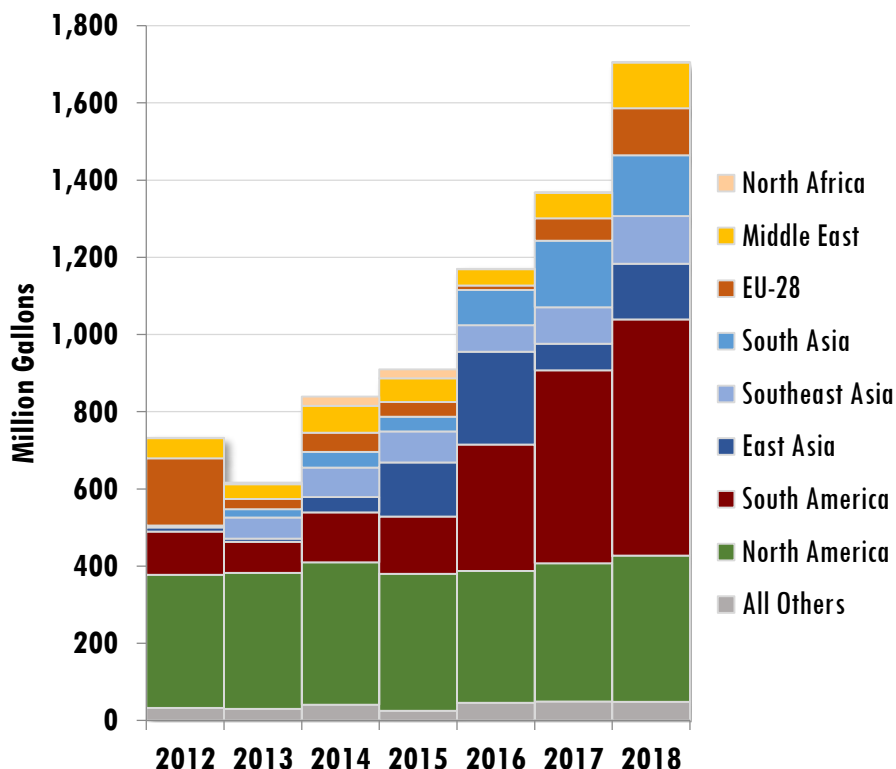
2018 ethanol export volumes to the Top 10 markets are shown in the table below, along with a comparison to 2017 volumes. All figures shown in millions of gallons, unless otherwise noted.

Country	Den. Fuel	Und. Fuel	Den. Other	Und. Other	2018 Total	2017 Total	Change
<b>Brazil</b>	21.9	491.2	0.0	0.1	<b>513.1</b>	428.1	+20%
<b>Canada</b>	317.9	1.2	30.0	0.1	<b>349.2</b>	326.3	+7%
<b>India</b>	22.1	118.8	15.9	0.1	<b>156.8</b>	182.5	-14%
<b>South Korea</b>	50.9	26.6	3.5	6.8	<b>87.8</b>	48.5	+81%
<b>Netherlands</b>	38.7	44.9	0.0	-	<b>83.6</b>	34.9	+139%
<b>Philippines</b>	23.5	48.9	0.0	-	<b>72.4</b>	61.4	+18%
<b>U. Arab Emir</b>	48.6	19.4	0.0	0.7	<b>68.7</b>	39.5	+74%
<b>China</b>	39.1	13.8	0.0	0.0	<b>52.9</b>	47.0	+12%
<b>Peru</b>	43.7	8.4	0.0	0.0	<b>52.2</b>	42.5	+23%
<b>Colombia</b>	39.1	5.1	0.1	1.9	<b>46.1</b>	17.3	+166%

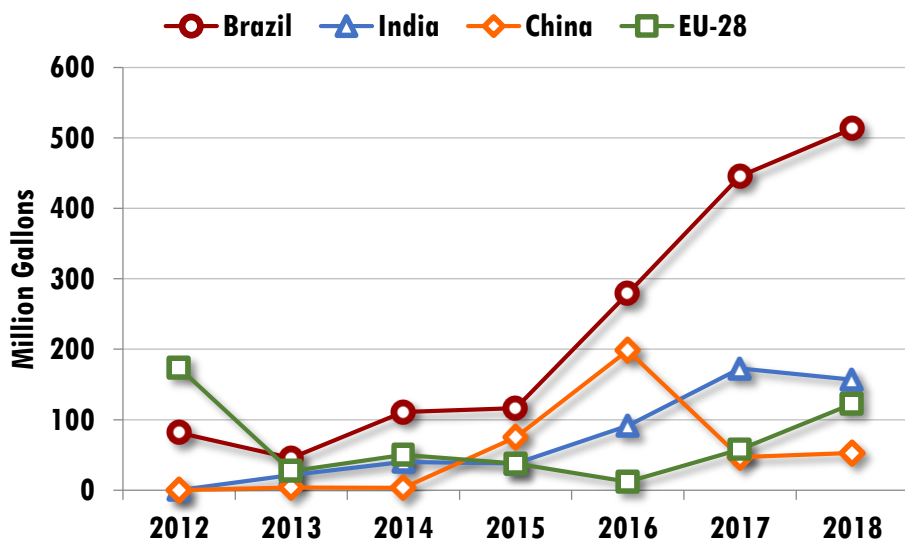
# U.S. ETHANOL EXPORTS: SHIFTING MARKETS

## U.S. Exports by Region

Exports to **South America** continued their strong expansion in 2018, led by Brazil. Exports to **East Asia** rose, with South Korea the largest destination. Exports to **North America**, primarily Canada, continued to exhibit slow-but-steady growth.



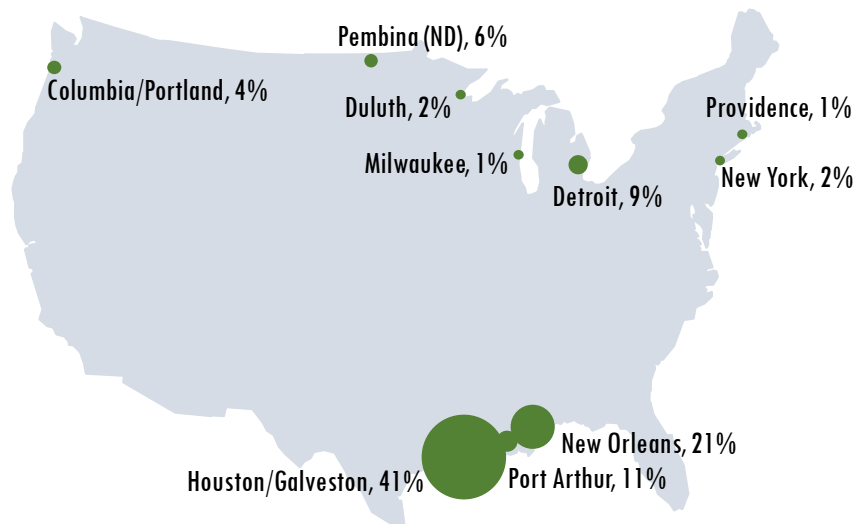
## Volatility in Major U.S. Ethanol Export Markets



Exports to **Brazil** continued strong growth in 2018. While **China** returned as an export destination early in 2018, the imposition of high import duties caused shipments to cease. Ethanol exports to the **EU** grew but have not recovered after collapsing in 2013 due to the imposition of duties.

# TOP EXPORT HUBS AND NET EXPORTS

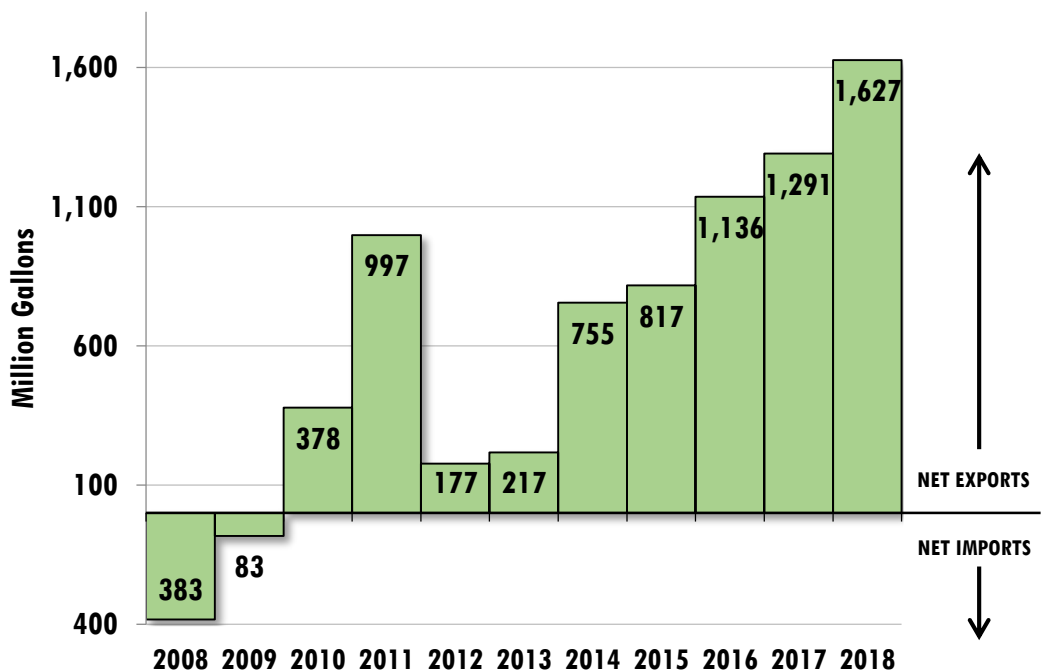
## Top Ports of Exit for 2018 U.S. Ethanol Exports



Nearly **three-quarters** of U.S. ethanol exports departed through the Gulf in 2018, up from two-thirds in 2017. Meanwhile, over **10%** of exports went through Great Lakes ports, **6%** went through Pembina (ND), **4%** went out of the Pacific-Northwest, and **2%** exited through New York Harbor.

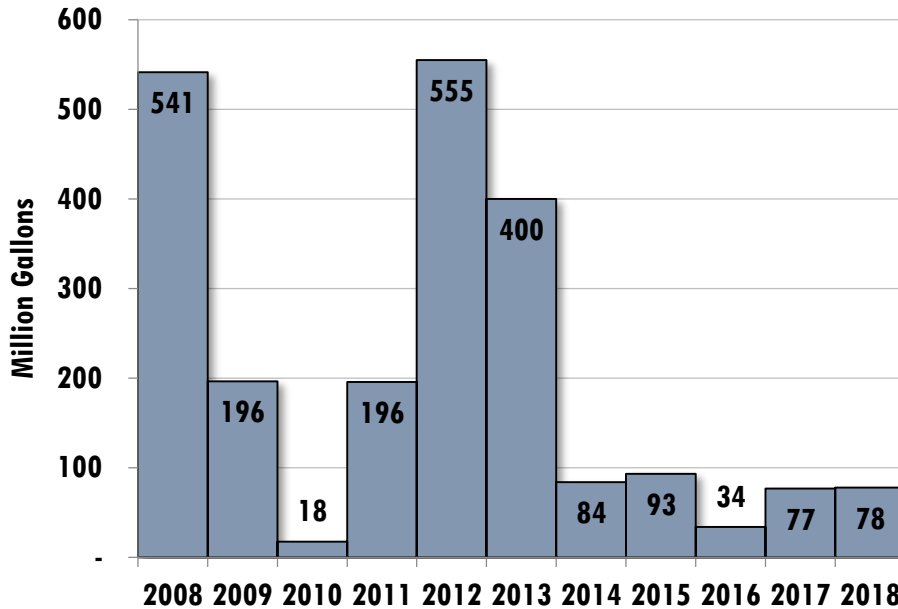
## Annual U.S. Net Ethanol Exports

The U.S. set a **new record for net exports in 2018**, surging past the level from 2017. The U.S. extended its streak as a net exporter of ethanol to nine years.



# 2018 U.S. ETHANOL IMPORTS

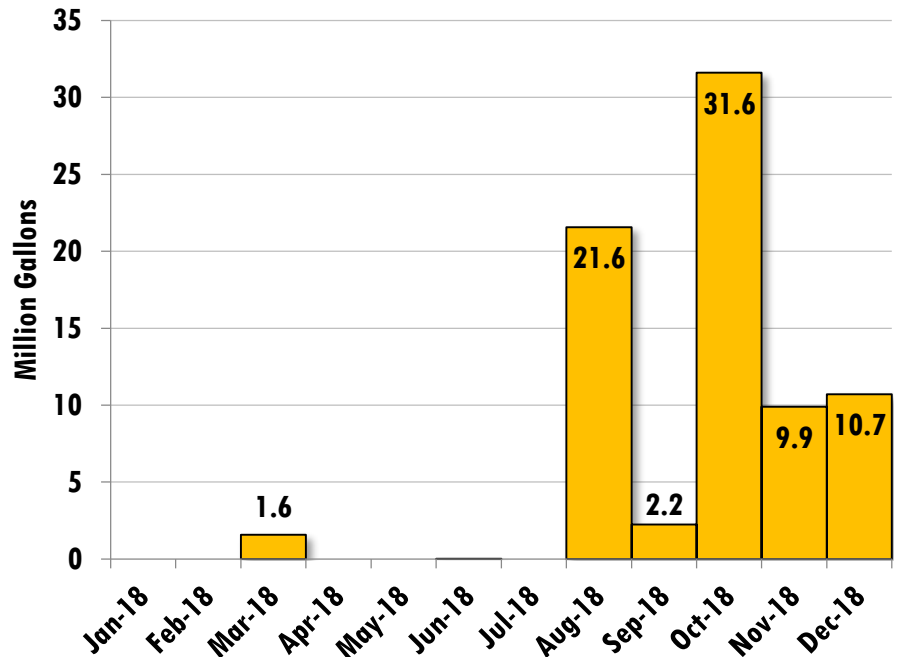
## Annual U.S. Fuel Ethanol Imports



The U.S. imported just **78 million gallons** of fuel ethanol in 2018, virtually the same amount as in 2017. U.S. ethanol imports have centered around **70 million gallons** annually over the past four years, considerably less than levels that occurred 5-10 years ago.

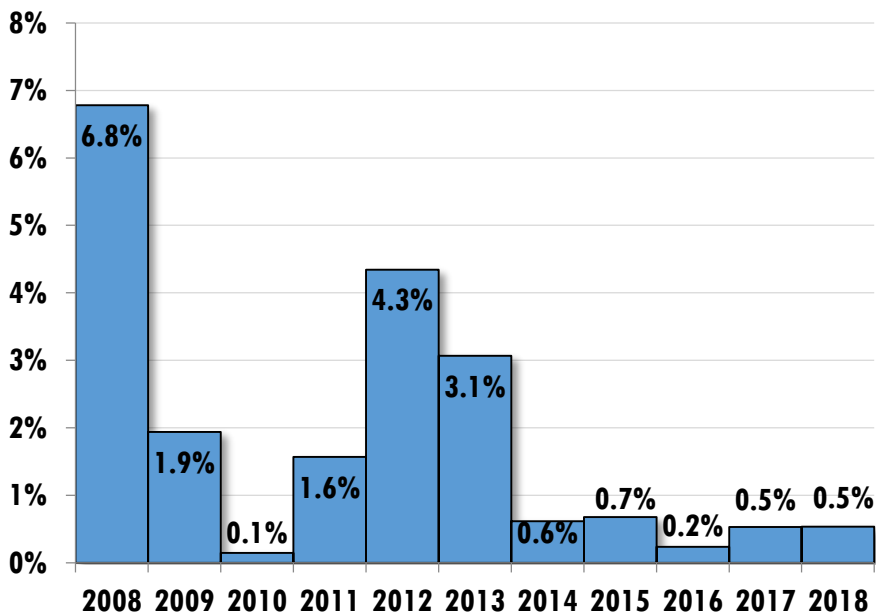
## 2018 Monthly Ethanol Imports

Approximately **98%** of 2018 fuel ethanol imports came from Brazil. Nearly all of the ethanol imports occurred during the August-December timeframe.



# 2018 U.S. ETHANOL IMPORTS

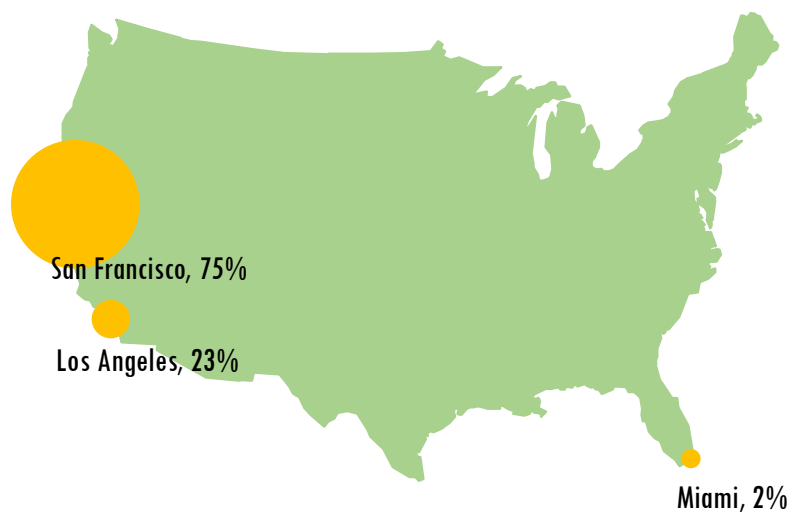
## U.S. Ethanol Imports: Share of Total U.S. Ethanol Consumption



Imports accounted for **less than 1%** of U.S. ethanol consumption for the fifth year in a row. Ethanol import reliance is down dramatically from the 2005-2008 timeframe, when imports typically accounted for 5-10% of U.S. consumption.

## Top Ports of Entry for 2018 U.S. Ethanol Imports

California ports received **98%** of U.S. fuel ethanol imports in 2018, driven by the state's Low Carbon Fuel Standard. Miami was the only other significant port of entry for fuel ethanol.





# ABOUT THE DATA IN THIS REPORT

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## U.S. Ethanol Export Data

- The export data in this report includes exports classified under the following Harmonized Tariff Schedule (HTS) codes:
  - **2207200010**: Ethyl alcohol and other spirits, denatured, of any strength: For fuel use
  - **2207106010**: Undenatured ethyl alcohol of an alcoholic strength by volume of 80 percent vol. or higher: For non-beverage purposes: For fuel use
  - **2207200090**: Ethyl alcohol and other spirits, denatured, of any strength: Other
  - **2207106090**: Undenatured ethyl alcohol of an alcoholic strength by volume of 80 percent vol. or higher: For non-beverage purposes: Other
- 2207200090 and 2207106090 are included in this report because there is some anecdotal evidence that exports of ethanol intended for fuel use are sometimes classified under these codes. In any case, ethanol classified under these codes represented just 5% of the 2017 U.S. exports discussed in this report.

## U.S. Ethanol Import Data

- The import data in this report includes imports classified under the following Harmonized Tariff Schedule (HTS) codes:
  - **2207200010**: Ethyl alcohol and other spirits, denatured, of any strength: For fuel use
  - **2207106010**: Undenatured ethyl alcohol of an alcoholic strength by volume of 80 percent vol. or higher: For non-beverage purposes: For fuel use

## Sources

- All data in this report comes from the U.S. Census Bureau, U.S. Department of Commerce, U.S. Department of Agriculture, U.S. International Trade Commission, and U.S. Energy Information Administration

The Renewable Fuels Association publishes **monthly** summaries of export and import data for ethanol and distillers dried grains on its award-winning [E-Blog](#).

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