

The growing importance of U.S. petroleum and LNG exports



For

2018 EIA Energy Conference

June 4, 2018 / Washington, D.C.

By

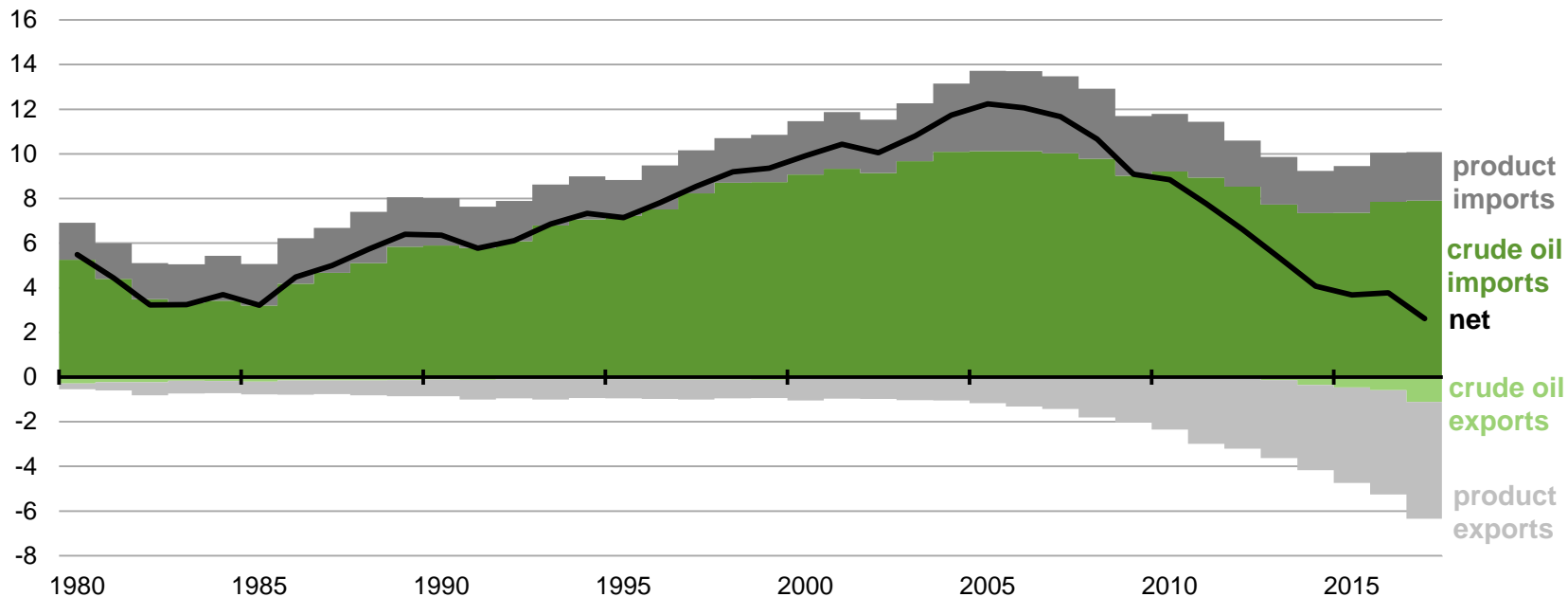
Hannah Breul, Petroleum Markets Analysis Team Lead

Speakers

- Blake Eskew, Vice President, Oil Markets, Midstream, Downstream and Chemicals, IHS Markit
- Ryan Hickman, Senior LNG Market Analyst, Shell
- Saad Rahim, Chief Economist, Trafigura

U.S. net petroleum trade (including crude oil, petroleum products, and natural gas plant liquids) has fallen in recent years, reaching 3.7 million barrels per day in 2017

Annual U.S. total petroleum trade
million barrels per day

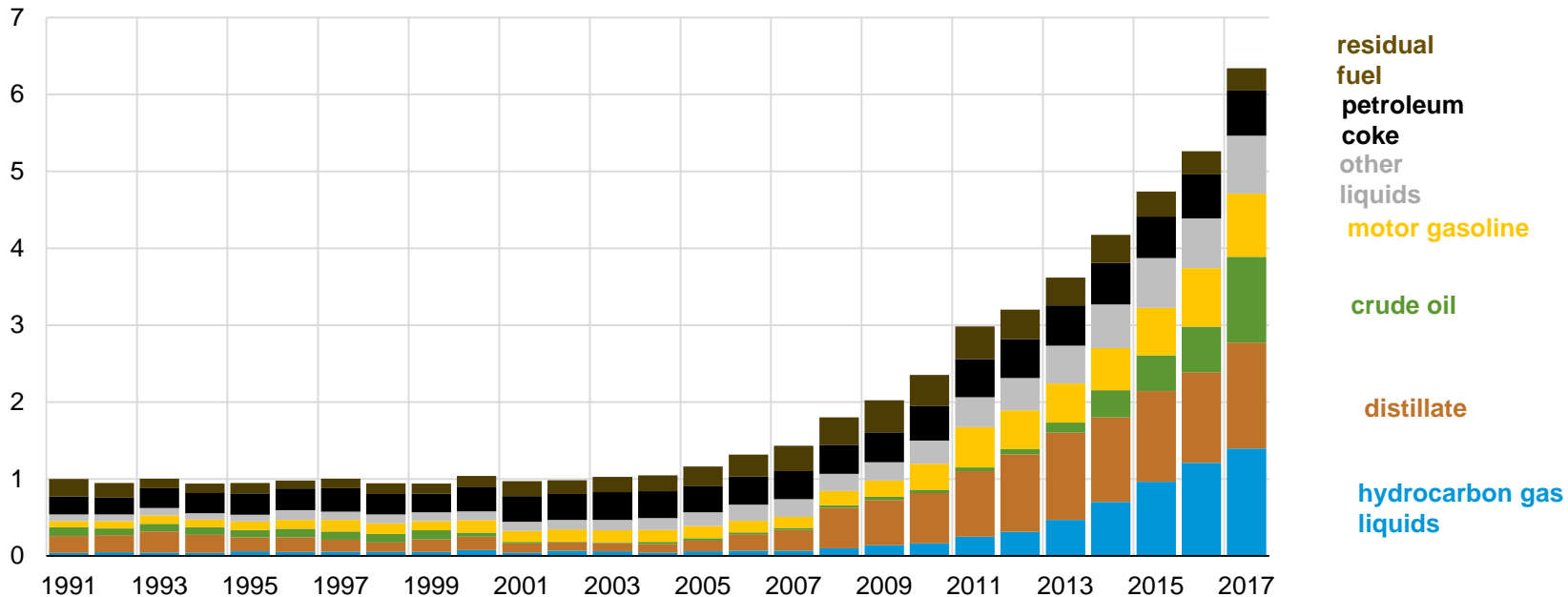


Source: U.S. Energy Information Administration, *Petroleum Supply Monthly*

Total U.S. petroleum gross exports reached over 6 million b/d, with growth across many fuels

Total U.S. crude oil and petroleum product exports
million barrels per day

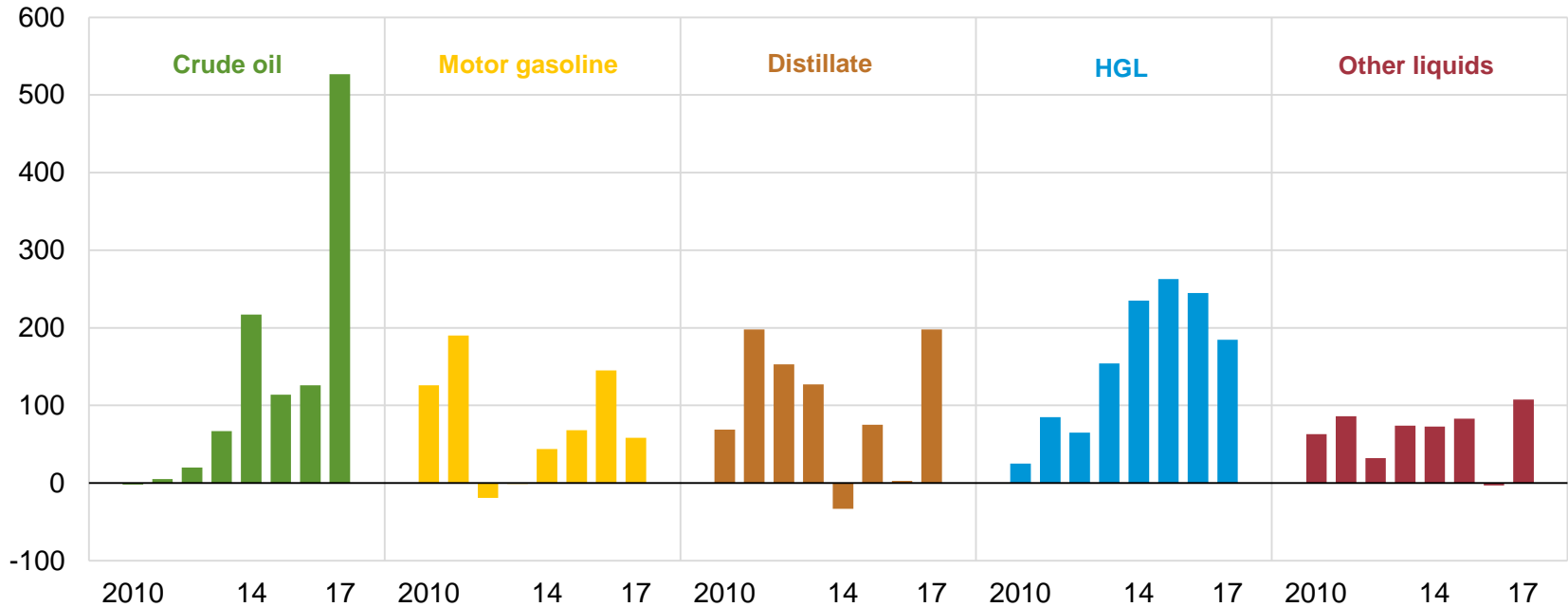
2017 share of total exports



Source: U.S. Energy Information Administration, *Petroleum Supply Annual*, *Petroleum Supply Monthly*

The timing of export growth has varied across liquid fuels

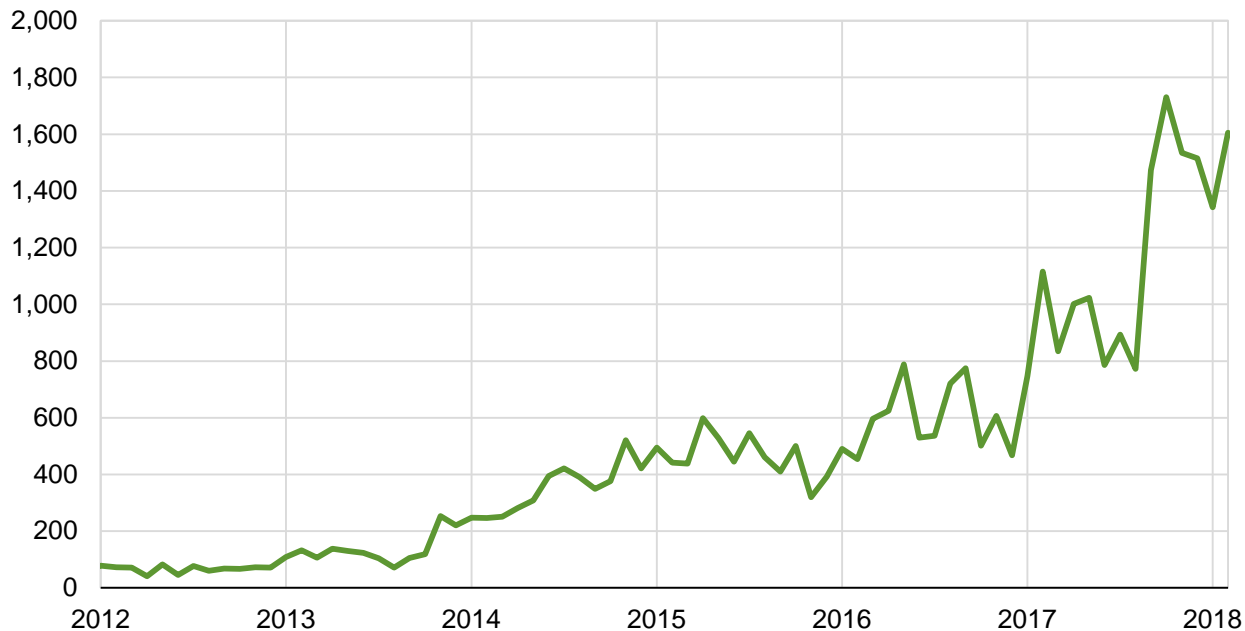
Year-over-year change in crude oil and petroleum product exports
thousand barrels per day



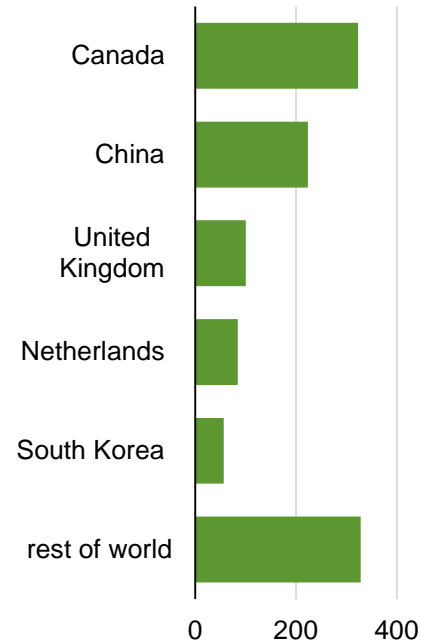
Source: U.S. Energy Information Administration, *Petroleum Supply Monthly*

U.S. crude oil exports increased sharply in 2017 and were sent to more destinations, becoming the third-largest type of U.S. petroleum exports

U.S. crude oil exports
thousand barrels per day



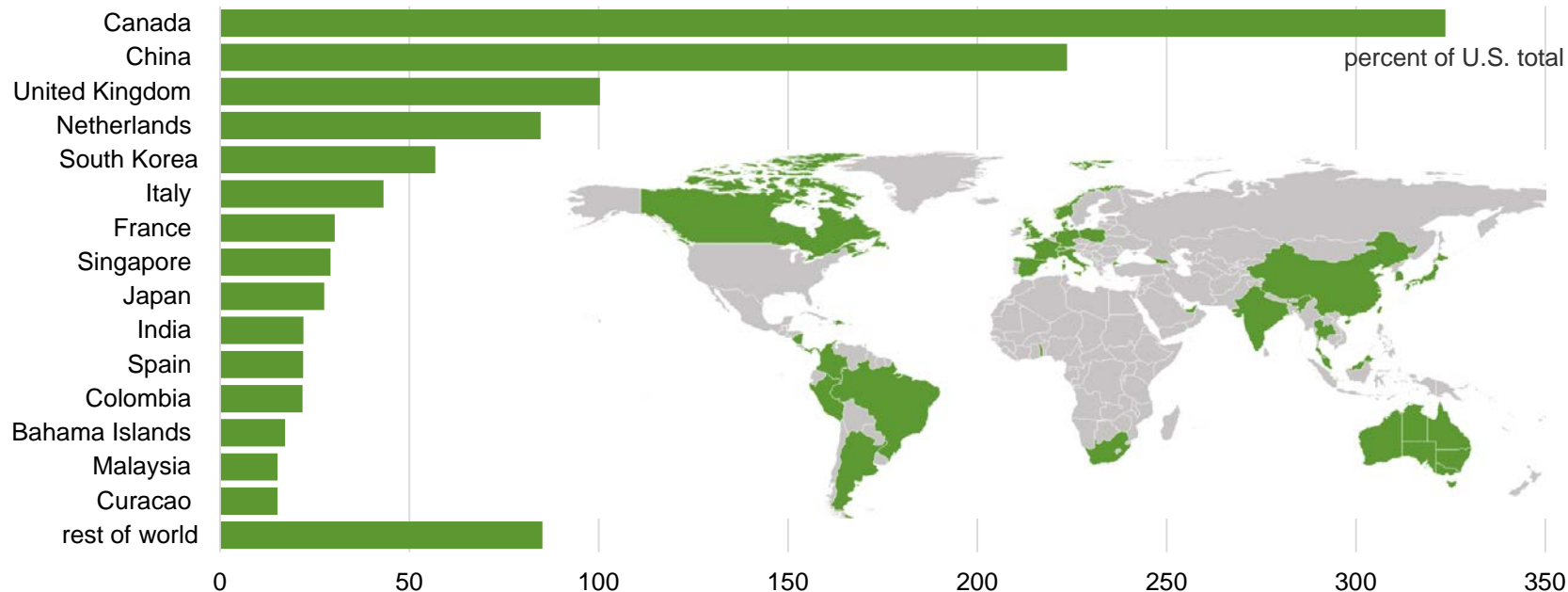
Export destinations (2017)
thousand barrels per day



Source: U.S. Energy Information Administration, *Petroleum Supply Monthly*

Aside from Canada, Asia and Europe are top destinations for U.S. crude exports

U.S. crude oil destinations (2017)
thousand barrels per day

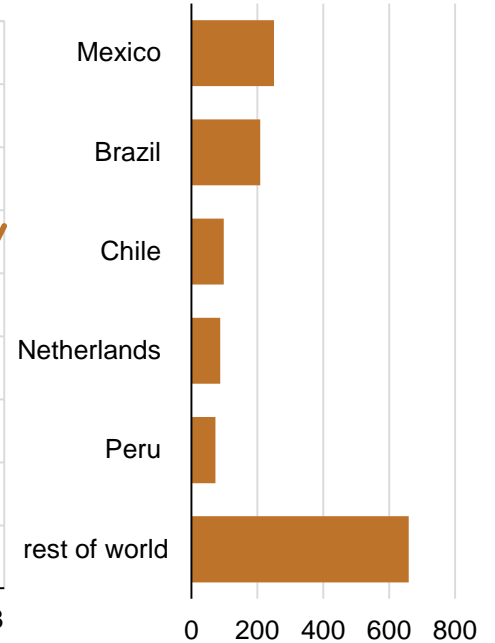
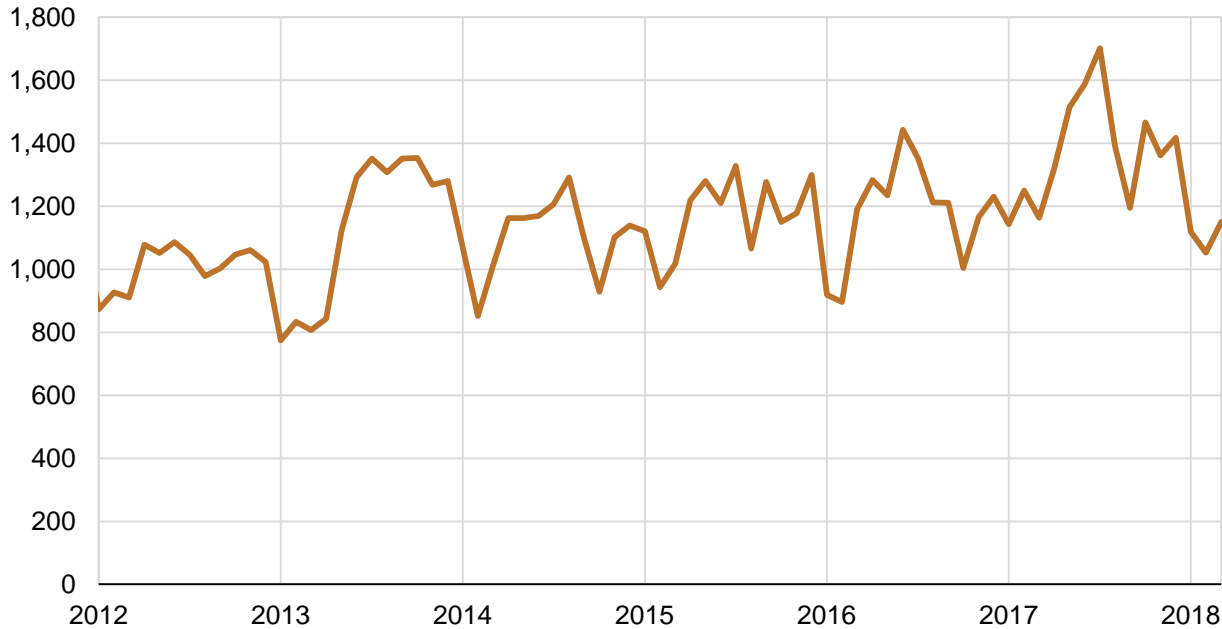


Source: U.S. Energy Information Administration, *Petroleum Supply Monthly*

Distillate exports have averaged more than 1 million b/d since 2012

U.S. distillate exports
thousand barrels per day

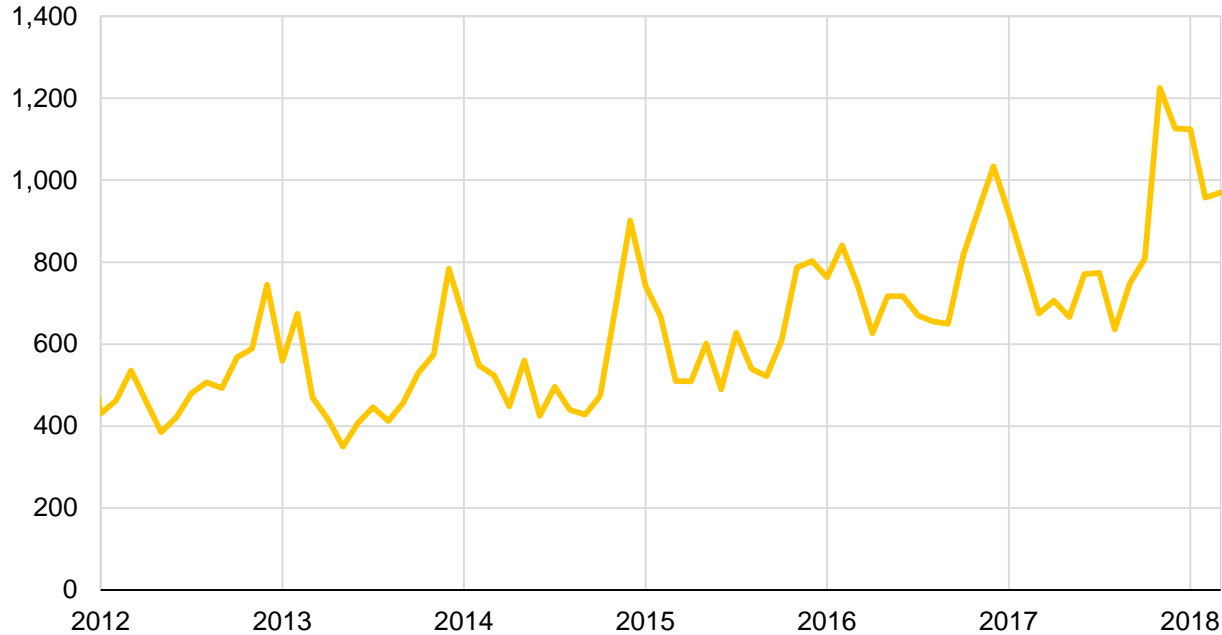
Export destinations (2017)
thousand barrels per day



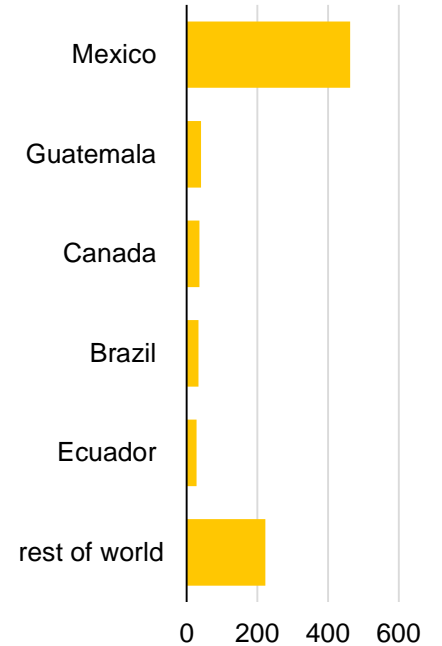
Source: U.S. Energy Information Administration, *Petroleum Supply Monthly*

Gasoline exports are primarily sent to Mexico

U.S. total motor gasoline exports
thousand barrels per day



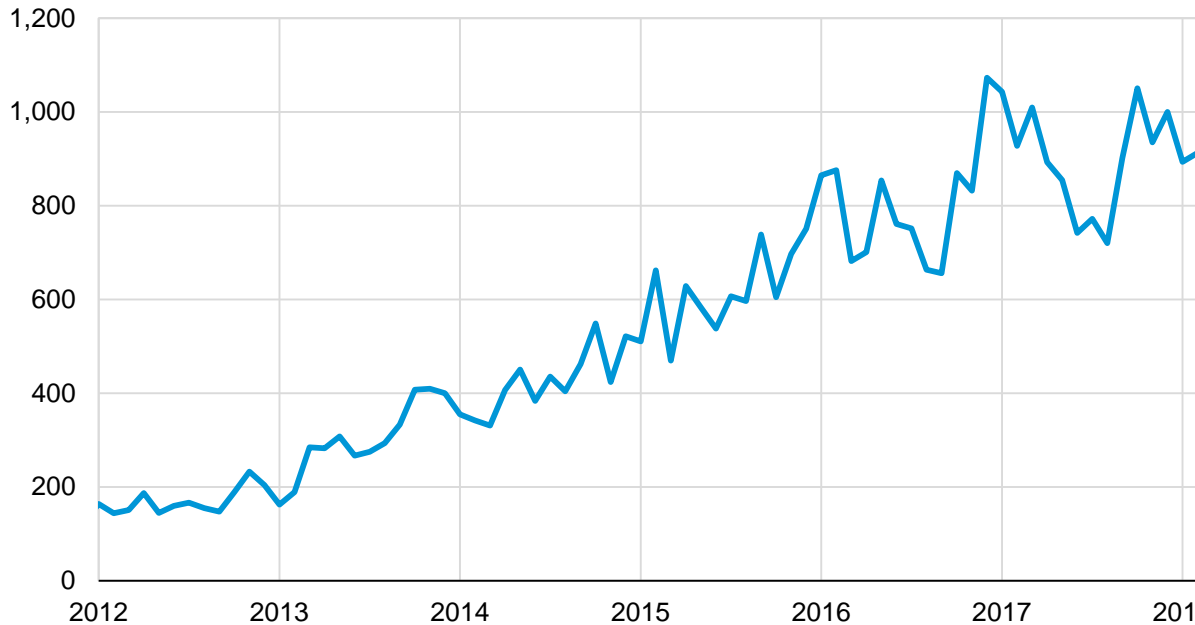
Export destinations (2017)
thousand barrels per day



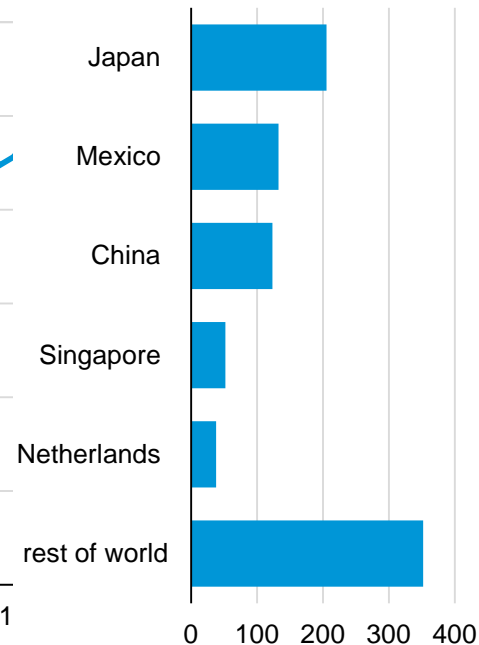
Source: U.S. Energy Information Administration, *Petroleum Supply Monthly*

Unlike distillate and gasoline, propane is sent primarily to Asian markets

U.S. propane exports
thousand barrels per day



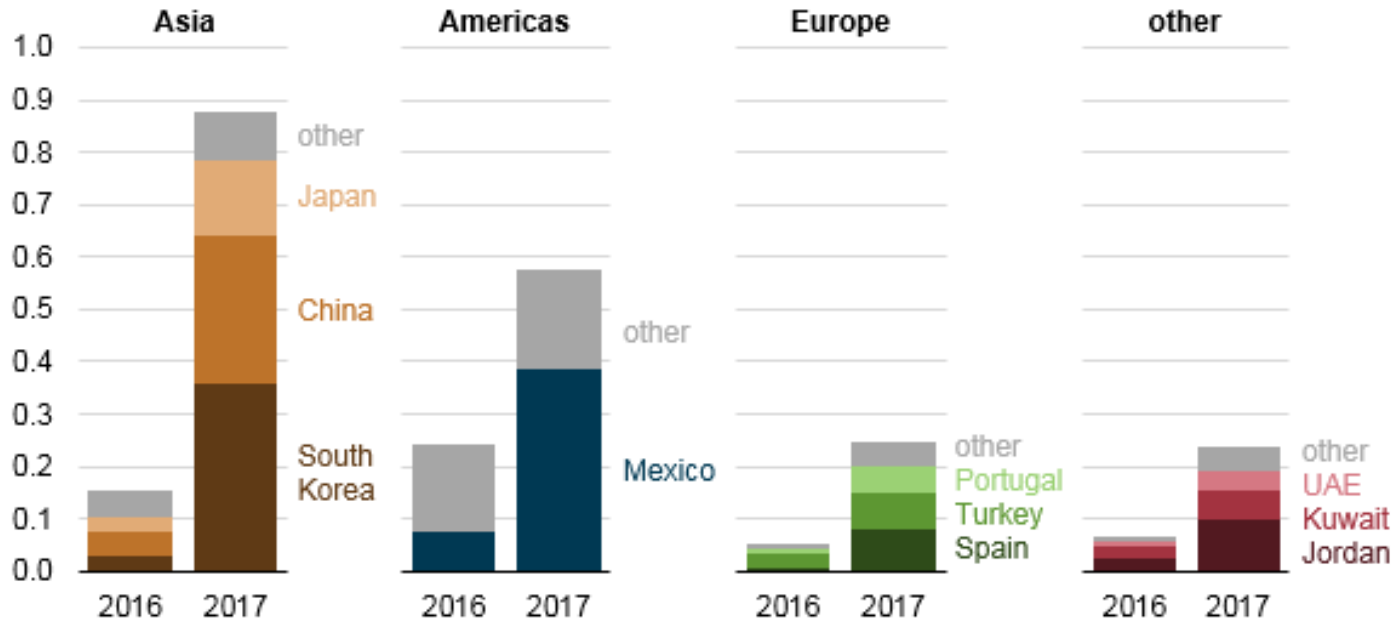
Export destinations (2017)
thousand barrels per day



Source: U.S. Energy Information Administration, *Petroleum Supply Monthly*

U.S. exports of liquefied natural gas reached 1.94 billion cubic feet per day in 2017, up from 0.5 Bcf/d in 2016

U.S. exports of liquefied natural gas
billion cubic feet per day



Source: U.S. Energy Information, Natural Gas Monthly