

European Energy Security in a Changing Global Energy Environment : A U.S. Perspective



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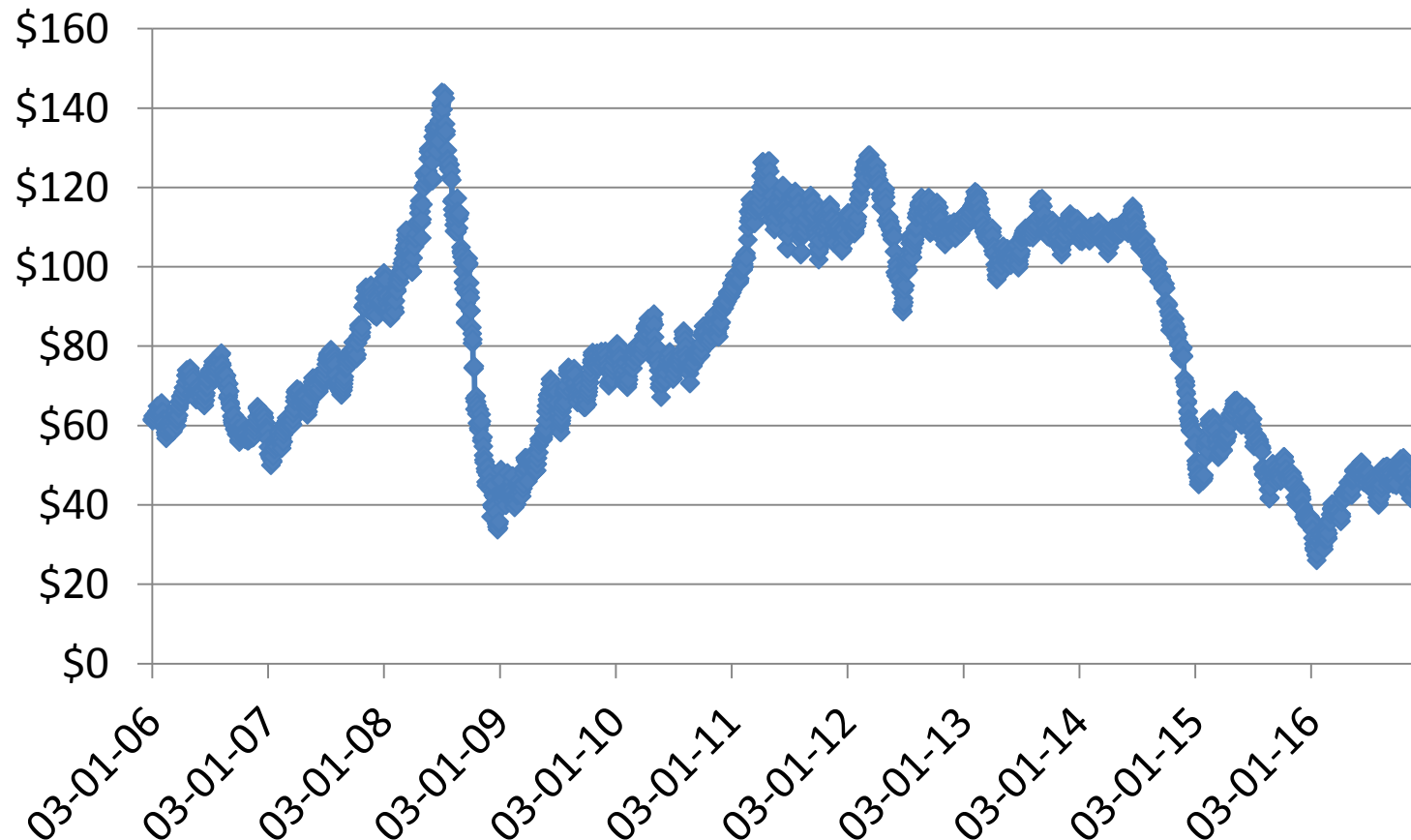
U.S. Department of State

Bureau of Energy Resources

December 2016

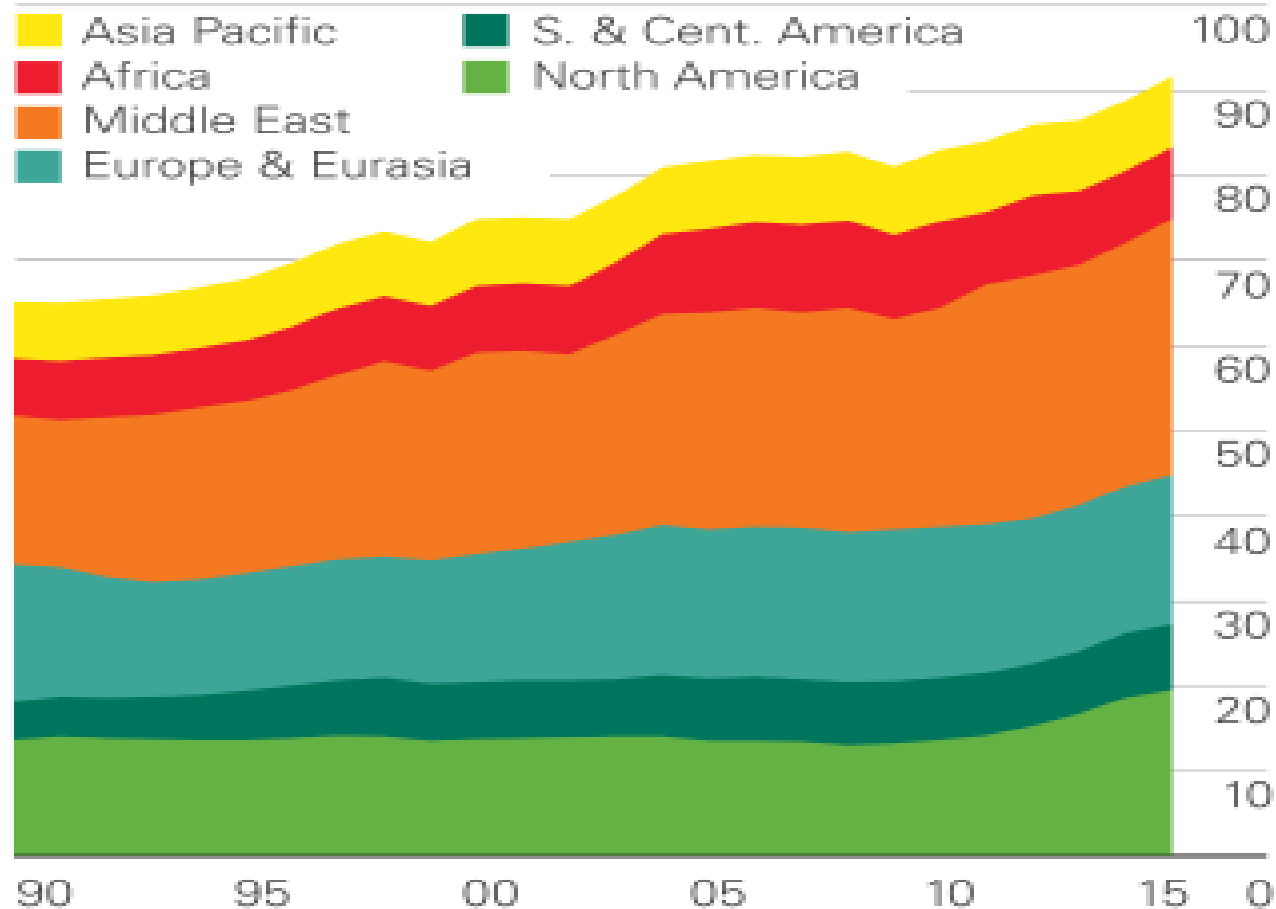
Europe Brent Spot Price (2006-2016)

(FOB Per Barrel)



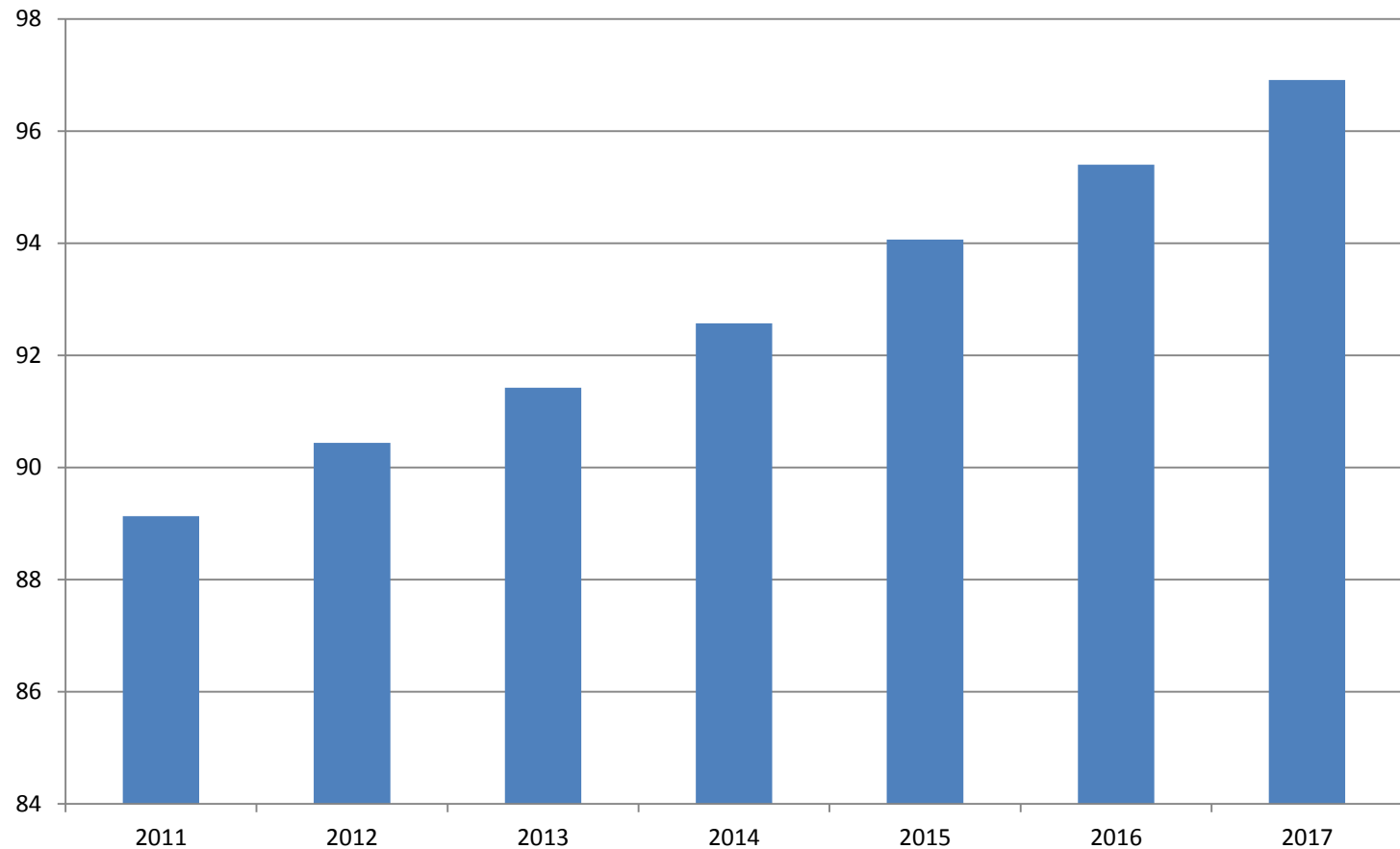
Crude Oil Production (1990-2015)

(Million Barrels Per Day)



Crude Oil Demand & Forecast (2011-2017)

(average daily demand in millions of barrels)



Global LNG Benchmarks (2016)

National Natural Gas Market Overview: World LNG Landed Prices

Federal Energy Regulatory Commission • Market Oversight • www.ferc.gov/oversight

World LNG Estimated Landed Prices: Oct-16

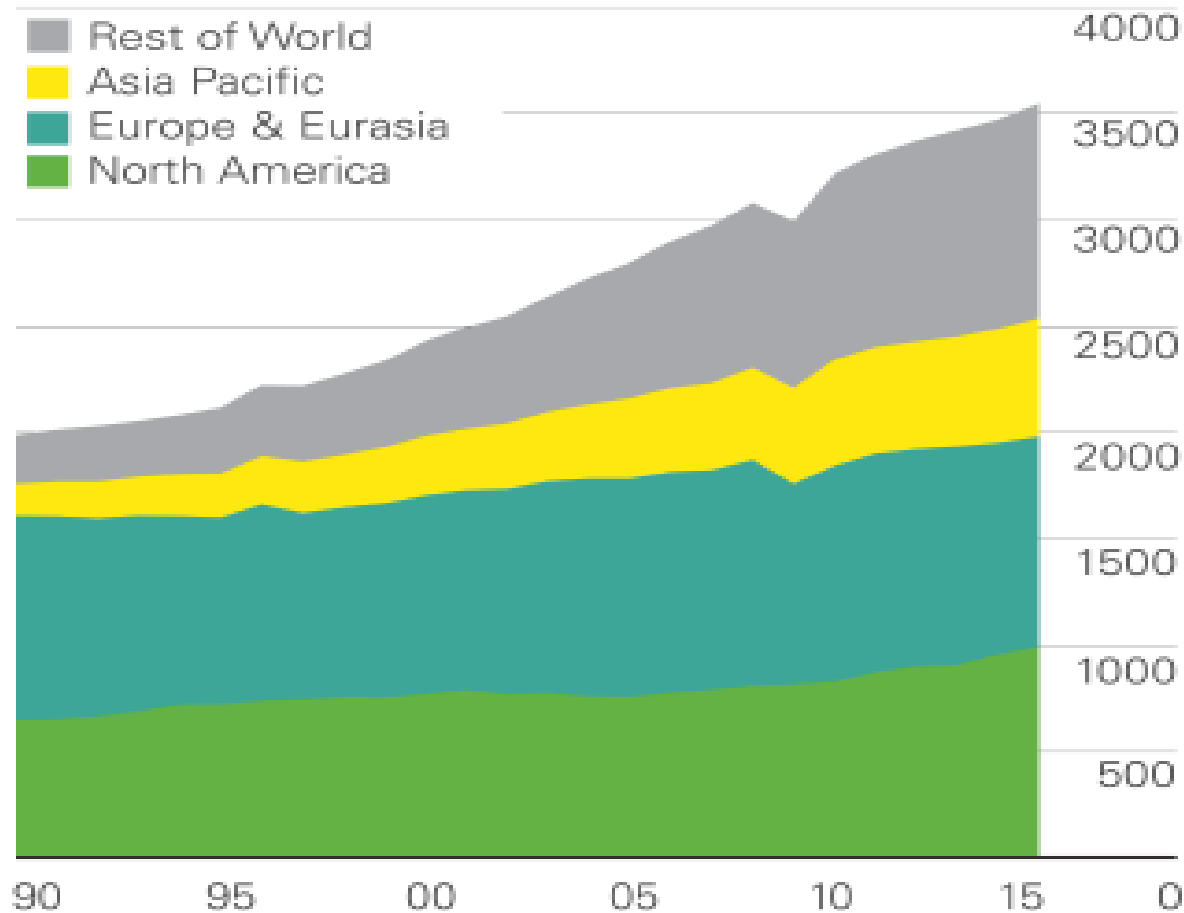


Source: Waterborne Energy, Inc. Data in \$/US/MMBtu. Landed prices are based on a netback calculation.
Note: Includes information and data supplied by IHS Global Inc. and its affiliates ("IHS"); Copyright (publication year) all rights reserved.
Prices are the monthly average of the weekly landed prices for the listed month.

Updated: Nov-16

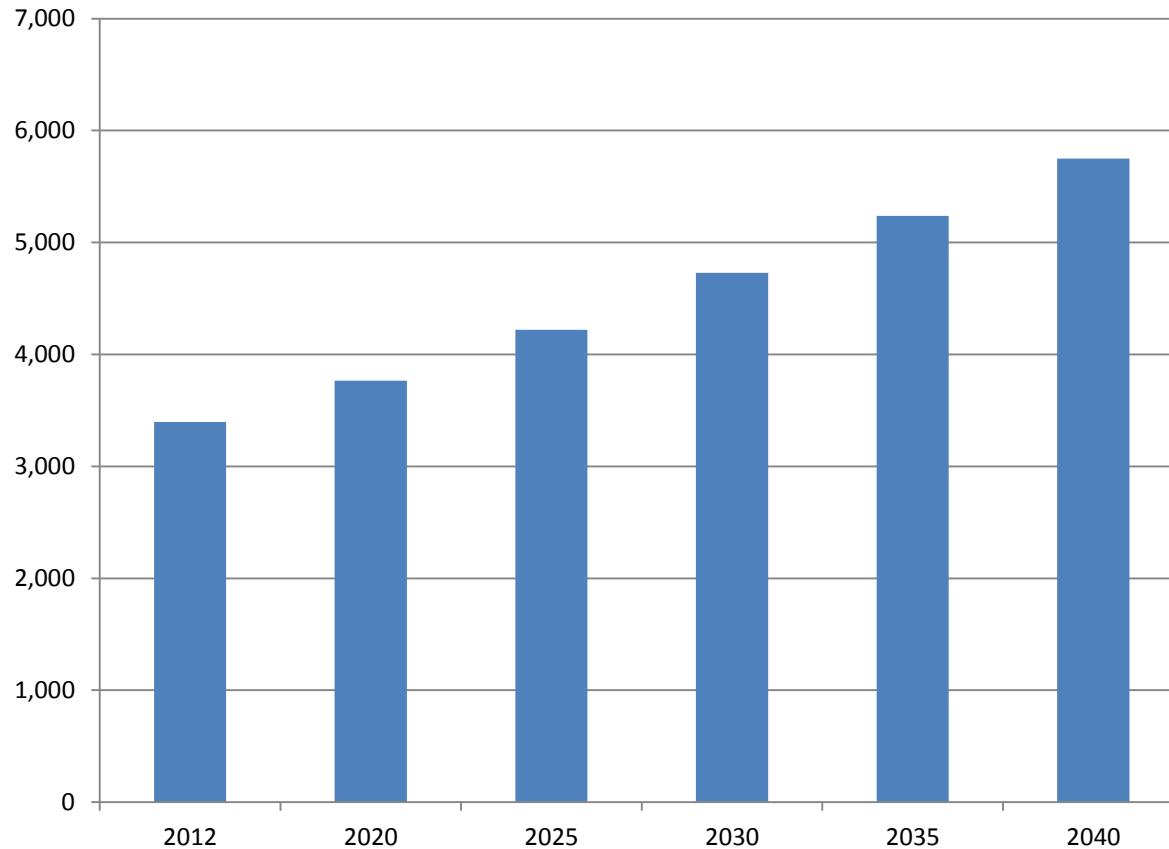
Global Gas Production (1990-2015)

(Billion Cubic Meters)



Global Natural Gas Demand (2012- 2040)

(Billion Cubic Meters Per Year)



What is Energy Security?

“Energy Security is a state’s ability to rapidly offset a disruption in the supply of a critical energy input at a period of peak demand.”

Energy Security in the European and Caucasian Context

Selected Existing and Proposed Gas Pipeline Infrastructure in Europe



Source: Bureau of Energy Resources (2016)

Thank You



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