

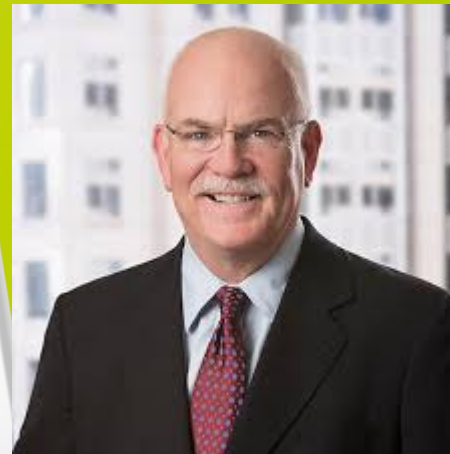
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Federal Energy Policy Issues & Trends

Presentation to Energy Summit™ 2017
Operating in a New Energy World
LSU Center for Energy Studies
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President Trump – the first 10 months

- Executive Orders and Revocation of Obama Era Rules
- Congressional Review Act
- Federal Rule Changes Blocked by Courts
- New or Changed Federal Rules in Progress

Trump Presidency – Executive Orders and Revocation of Obama Era Rules

1. Flood standards for federal infrastructure projects
2. Northern Bering Sea climate resilience plan
3. Royalty regulations for oil, gas and coal
4. Mining restrictions in Bristol Bay, Alaska
5. DACA program*
6. Offshore drilling ban in the Atlantic and Arctic
7. Ban on seismic air gun testing in the Atlantic
8. Decision on Keystone XL pipeline*
9. Decision on Dakota Access pipeline*
10. Permit-issuing process for new infrastructure projects
11. Green Climate Fund contributions
12. Environmental mitigation for federal projects
13. Calculation for “social cost” of carbon
14. Travel Ban*
15. A New Travel Ban*
16. Review of National Monuments*
17. Buy American, Hire American
18. Drain the Swamp
19. Paris Climate Accord
21. Proposed ban on a potentially harmful pesticide
22. Freeze on new coal leases on public lands
23. Third-party settlement funds
24. Grizzly bear listing as endangered species
25. Protection of whales and sea turtles
26. Reusable water bottles rule for national parks
27. National parks climate order
28. Copper filter cake listing as hazardous waste
29. Protection of Sage-Grouse



*pending legal action

Congressional Review Act – 14 Regulations Revoked, 38 Resolutions Introduced

1. Rule to protect personal data from internet providers
2. Hold schools accountable under Every Student Succeeds Act
3. Teacher preparation standards via federal funding
4. Block gun sales to mentally ill people
5. Requirement for disclosing previous labor law violations when bidding for large federal contracts
6. Limit scope of drug testing that states could require for unemployment benefits
7. Authority to OSHA to enforce recordkeeping requirements for workplace injuries
8. County and City encouragement to create auto-IRAs for Private Sector
9. Granted regulatory relief to states that created auto-IRAs
10. Prohibited states from cutting off funding to Planned Parenthood
11. Anti-dumping rule for coal companies
12. Hunting ban on wolves and grizzly bears in Alaska (Being challenged in court)
13. Planning rule for public lands
14. Rule requiring energy companies to disclose payments to foreign governments

Federal Rules in Progress

1. Clean Power Plan*
2. Waters of the United States*
3. Car and truck fuel-efficiency standards
4. Limits on toxic discharge from power plants
5. Coal ash discharge regulations
6. Emissions standards for new, modified and reconstructed power plants
7. Emissions rules for power plant start-up and shutdown
8. Fracking regulations on public lands
9. Regulations on oil and gas drilling in some national parks
10. Oil rig safety regulations
11. Regulations for offshore oil and gas exploration by floating vessels
12. Exploratory drilling in the Arctic Wildlife Refuge
13. Requirement for tracking emissions on federal highways
14. Emissions standards for trailers and glider kits
15. Proposed a rule to change electricity market rules for coal and nuclear power plants

***in process of repealing
and replacing**

Federal Rule Changes Blocked by Courts

Ozone pollution standards

Mr. Pruitt initially delayed the compliance deadline for a 2015 national ozone standard, but reversed course after 15 states and the District of Columbia sued

Efficiency standards for household appliances

After being sued by a number of states and environmental groups for failing to publish efficiency standards for appliances including heaters, air conditioners and refrigerators, the Trump administration released its rules on May 26.

Obama-era rule that regulated the disposal of dental amalgam into municipal sewers

The EPA initially put the rule on hold as part of a broad regulatory freeze, but environmental groups sued.

Rule on Greenhouse Gas Emissions on National Highways

Federal Highway Administration decided to reinstate the requirement after being sued by environmental groups

BLM Methane Rule

Rule Limiting Venting and Flaring from Gas Wells was invalidated by a California Federal Judge stating the Bureau of Land Management had no authority to revoke the rule

EPA Methane Rule on Landfills

DC Circuit Panel stated EPA Administrator Pruitt did not have the authority to issue a 90-day stay in the 2016 methane rule

EPA Methane Rule at New Oil and Gas Sites

Federal Appeals Court ruled that EPA must enforce the Obama regulation while it writes a new rule on the same pretext on the landfill emission rule

Methane Rule on Public Lands

Federal Court ruled the delay of the rule was unlawful and ordered immediate enforcement

Royalty regulations for oil, gas and coal

U.S. Magistrate Judge Laporte said the postponing the rule that may change royalty regulations for oil, gas, and coal was illegal and Interior had no authority to do so under the Administrative Procedure Act.

Sanctuary Cities Executive Order (1)

Federal Judge restricted the executive order that would have blocked all federal funds to sanctuary cities

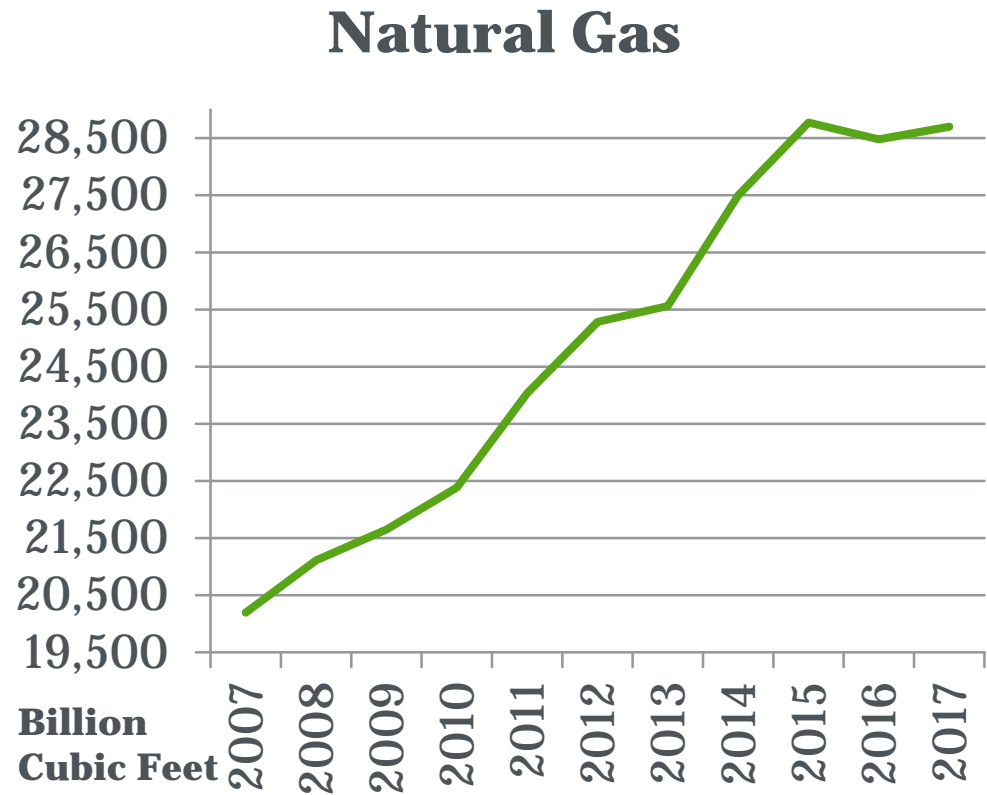
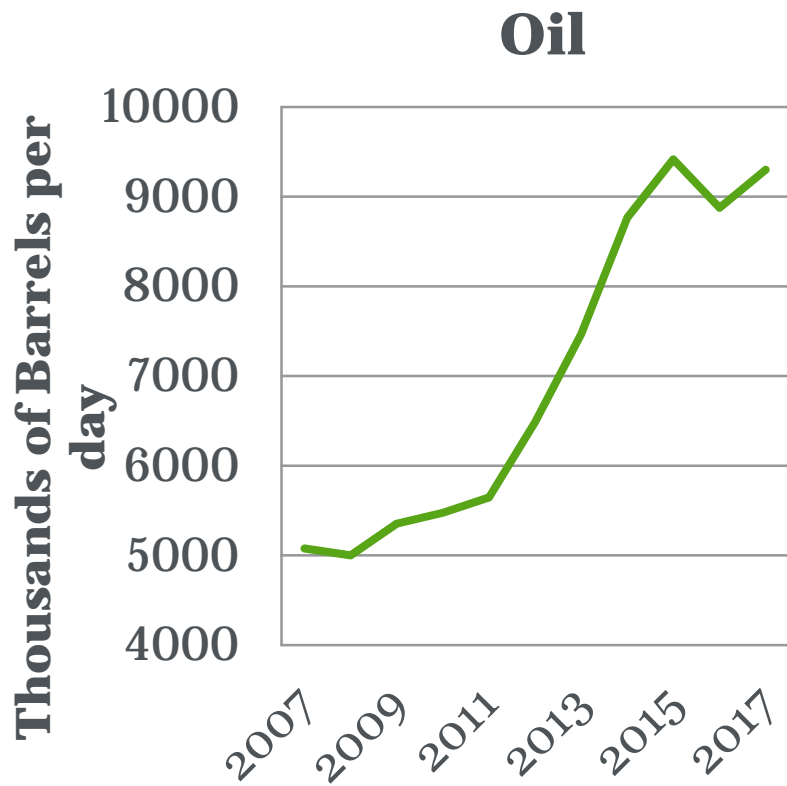
Department of Justice Law Enforcement Grant

Federal Judge ruled that the administration's new requirements for receiving key law enforcement grant that hinged on immigration enforcement

Global Gas and Oil Markets - Economics and Technology

- Hydraulic fracturing
- Removing the oil export ban
- Coal
- LNG exports

Oil and Natural Gas Production



Price of Oil, Gas, and Stock Market

Natural Gas Price



Oil Price



Dow Jones



Crude Oil Exports 2017

Booming crude trade

Weekly U.S. crude oil exports, thousands of barrels per day

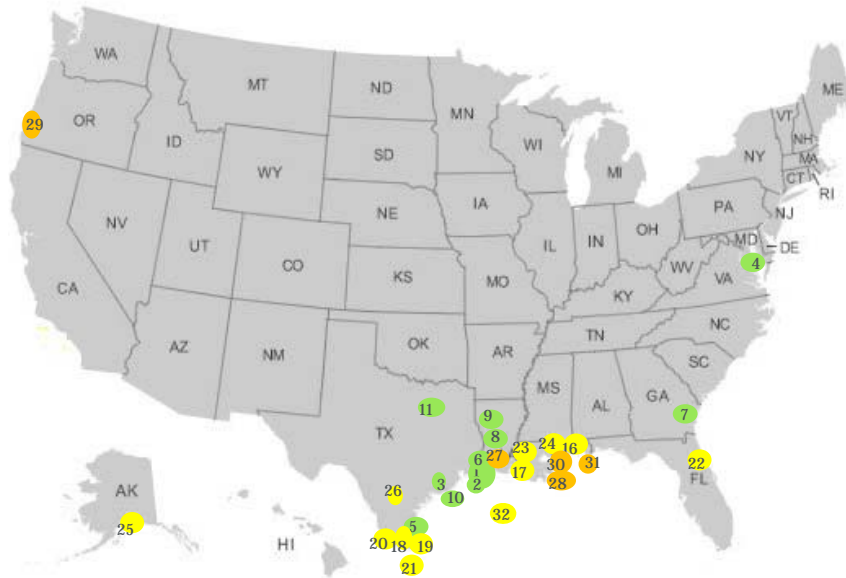


Source: [U.S. Energy Information Administration](#)



Natural Gas Exports 2017

- Forecast to avg. 73.7 bcf/d in 2017 (a 0.8 Bcf/d increase from 2016 level)*



APPROVED - UNDER CONSTRUCTION – FERC*

1. Cheniere/Sabine Pass LNG , 0.7 Bcf/d , **Sabine, LA**
2. Sempra-Cameron LNG, 2.1 Bcf/d , **Hackberry, LA**
3. Freeport LNG Dev, 2.14 Bcf/d, **Freeport, TX**
4. Dominion-Cove Point LNG , 0.82 Bcf/d , **Cove Point, MD**
5. Cheniere - Corpus Christi LNG, 2.14 Bcf/d, **Corpus Christi, TX**
6. Sabine Pass Liquefaction , 1.40 Bcf/d, **Sabine Pass, LA**
7. Southern LNG Company, 0.35 Bcf/d, **Elba Island, GA**

APPROVED - NOT UNDER CONSTRUCTION - FERC

8. Southern Union - Lake Charles LNG, 2.2 Bcf/d , **Lake Charles, LA**
9. Magnolia LNG, 1.08 Bcf/d , **Lake Charles, LA**
10. Sempra - Cameron LNG , 1.41 Bcf/d, **Hackberry, LA**
11. ExxonMobil - Golden Pass , 2.1 Bcf/d, **Sabine Pass, TX**

Canada

APPROVED - NOT UNDER CONSTRUCTION

12. Bear Head LNG , 0.5 Bcf/d, **Port Hawkesbury, NS**
13. LNG Canada, 3.23 Bcf/d, **Kitimat, BC**
14. Woodfibre LNG Ltd , 0.29 Bcf/d, **Squamish, BC**
15. Pacific Northwest LNG , 2.74 Bcf/d, **Prince Rupert Island, BC**

PROPOSED TO FERC Pending Applications:

16. Gulf LNG Liquefaction, 1.5 Bcf/d, **Pascagoula, MS**
17. Venture Global Calcasieu Pass, 1.41 Bcf/d, **Cameron Parish, LA**
18. Texas LNG Brownsville, 0.55 Bcf/d, **Brownsville, TX**
19. Rio Grande LNG – NextDecade, 3.6 Bcf/d, **Brownsville, TX**
20. Annova LNG Brownsville, 0.9 Bcf/d, **Brownsville, TX**
21. Port Arthur LNG, 1.86 Bcf/d, **Port Arthur, TX**
22. Eagle LNG Partners, 0.132 Bcf/d, **Jacksonville, FL**
23. Venture Global LNG, 3.40 Bcf/d, **Plaquemines Parish, LA**
24. Driftwood LNG , 4.0 Bcf/d, **Calcasieu Parish, LA**
25. Alaska Gasline, 2.63 Bcf/d, **Nikiski, AK**
26. Freeport LNG Dev, 0.72 Bcf/d, **Freeport, TX**

Projects in Pre-filing:

27. Cheniere - Corpus Christi LNG, 1.4 Bcf/d, **Corpus Christi, TX**
28. G2 LNG, 1.84 Bcf/d, **Cameron Parish, LA**
29. Jordan Cove , 1.08 Bcf/d, **Coos Bay, OR**
30. Commonwealth LNG, 1.18 Bcf/d, **Cameron Parish, LA**
31. Port Fourchon LNG, 0.65 Bcf/d, **LaFourche Parish, LA**

PROPOSED TO U.S.-MARAD/COAST GUARD

32. Delfin LNG, 1.8 Bcf/d, **Gulf of Mexico**

PROPOSED CANADIAN SITES

33. Apache Canada Ltd.) , 1.28 Bcf/d, **Kitimat, BC**
34. BC LNG Export Cooperative, 0.23 Bcf/d, **Douglas Island, BC**

*https://www.eia.gov/outlooks/steo/pdf/steo_full.pdf

+FERC as of 5/1/17 <https://www.ferc.gov/industries/gas/indus-act/lng/lng-approved.pdf>

·FERC as of 8/28/17 <https://www.ferc.gov/industries/gas/indus-act/lng/lng-proposed-export.pdf>



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