

The background of the slide is a close-up, slightly blurred image of the American flag, showing the stars and stripes in a wavy pattern. The colors are vibrant, with a deep blue field for the stars and bright red and white stripes.

# Infrastructure and our National Security

*November 15, 2016  
13:00 EDT*

**Vets4Energy**

*Veterans Working to Ensure  
National Security through Energy Security*

*Tim Smith  
America's Energy Forum*

*Captain James McCormick, USA (ret.)  
Vets4Energy Program Director*

- **Energy Security = National Security**
- **We need all sources of energy**
- **We will still be dependent on oil and natural gas for decades.**
- **The Question is: Will we get our energy from North America or elsewhere?**
- **North American energy drives:**
  - **Jobs and careers for veterans**
  - **Government revenue for services**
  - **Increased National Security**

### *America World Leader Oil and Natural Gas*

- **Reduced reliance on adversaries (Allies too).**
- **Stronger economy:**
  - Lowering energy costs for families and businesses.
  - Rejuvenating U.S. manufacturing & jobs.
  - Government revenues
- **Natural gas protecting climate and health:**
  - Energy carbon emissions 20-year low's (EIA).
  - Improving public health (Carnegie Mellon).
  - Supporting renewables – keeping “power on”.
- **Increasing military strength.**
- **Halting funds that could flow to terrorism.**



The screenshot shows the website for America's Energy Forum. The header includes the logo "AMERICA'S ENERGY FORUM" with the tagline "Bringing experts and verifiable facts to the energy discussion". Navigation links include "ABOUT US", "ECONOMY", "COMMUNITY", "OFFSHORE", "TOPICS", "MEDIA", and "IN THE STATES". A search bar is located in the top right corner. Below the navigation is a large image of an industrial facility at sunset. The main content area is titled "INFRASTRUCTURE" and contains the following text:

Home > Topics > Infrastructure

## TOPICS

- Natural Gas
- Energy Security
- Balanced Energy
- New Ozone Rules
- Hydraulic Fracturing
- Renewable Fuel Standard
- Energy Taxes
- Infrastructure
  - Pipeline Safety
  - Water Crossings

## INFRASTRUCTURE

America's energy boom provides a unique opportunity for the U.S. to create even more jobs, and save energy, for Americans by updating our nation's energy infrastructure.

Within in the past 4 years, the United States has become the [world's top producer of oil and natural gas](#). This dramatic expansion in our nation's energy production has rocketed us ahead of perennial top oil-producing nations like Saudi Arabia, Russia, China, Canada, and Venezuela.

As a result, spending on the infrastructure necessary to support our energy boom has increased — about [60% from 2010 to 2013](#). In 2015, nearly [\\$45 billion](#) was spent on new infrastructure. This is a great start. But more is needed to support our nation's new place as the world's leading producer of oil and natural gas.

A [study by The INGAA Foundation](#) (April, 2016) estimates that updating our national energy infrastructure between could cost [\\$170 billion - \\$220 billion](#) between 2016 - 2019, depending on market fluctuations in the cost of natural resources. Other projections show that infrastructure updates have the potential to generate as much as [\\$1.14 trillion in new capital investments](#) by the year 2025, with wide-reaching benefits that could support 1.15 million additional jobs and \$27.5 billion in average revenue to the government.

And the benefits don't stop there. It will also get the energy to where it is needed.

*Tim Smith*

*Regional Director, America's Energy Forum*



**Pipelines.**



**Storage.**



**Compressor / Pumping Stations.**



**Roads, Bridges.**

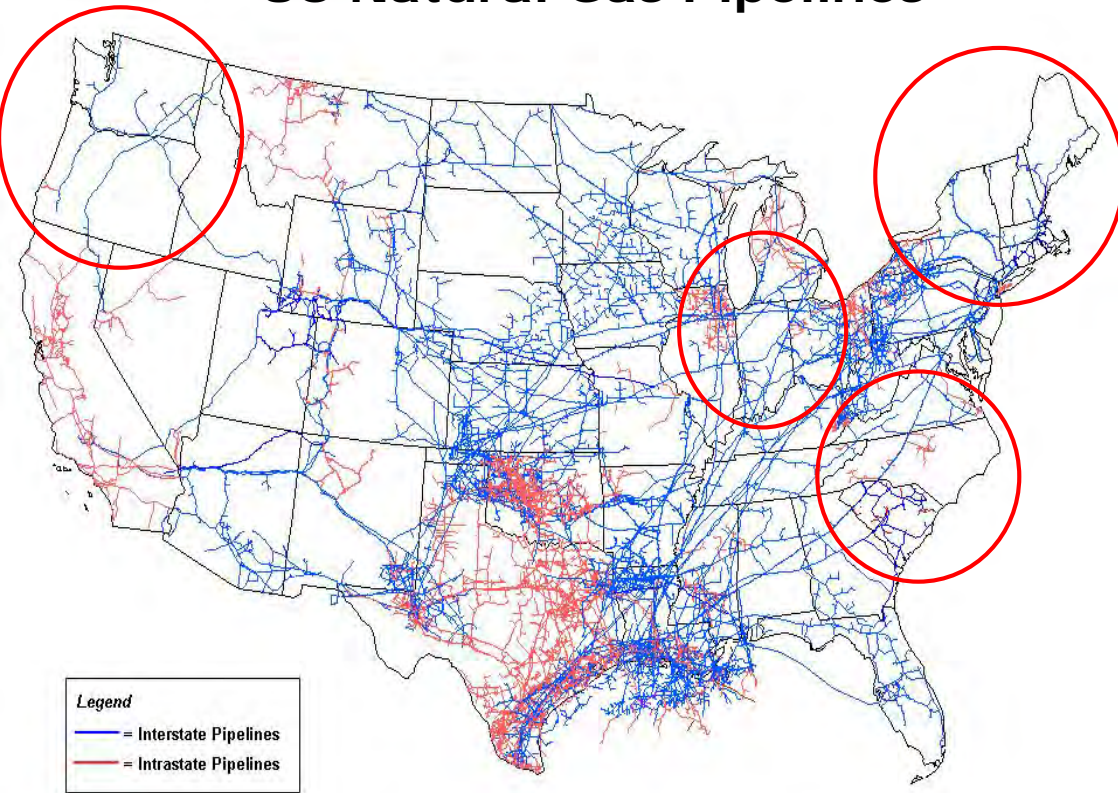


**Rail.**



**Marine.**

## US Natural Gas Pipelines



Source: Energy Information Administration, Office of Oil & Gas, Natural Gas Division, Gas Transportation Information System

- Natural gas pipelines are not new, BUT are lacking in some areas (red circles)
- EX - Northeast Impact:
  - 50% higher electricity costs.
  - Still import gas via ship from Trinidad-*Pennsylvania is much closer.*
- 2016-17 - Predicting coldest winter in years.

***Pipelines are safest way to transport (99.999% safety rate)***

## Myth and Opposition versus Facts

Myth & Opposition	Fact
Pipelines aren't safe.	Pipelines have 99.999% safety record. Department of Transportation – "Safest Method."
Infrastructure harms environment.	Comprehensive Environmental Impact Studies required. Restoration part of development plans.
Need more renewable energy.	Oil and gas required for decades. Natural gas supports renewables.
Communities need to be involved.	Communities involved during federal, state and local reviews.
Infrastructure is not necessary	Infrastructure required to transport consistent, affordable energy.



**Delivers clean, affordable, secure energy where needed.**



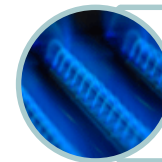
**Advances U.S. manufacturing.**



**Generates jobs and careers (for veterans).**



**Generates gov't revenue for services.**



**Increases U.S. energy development and energy security.**



### Veterans Energy Pipeline

Welcome to Veterans Energy Pipeline, an on-line application designed to help connect veterans with top jobs in the oil and natural gas industry



Search by

#### Military Occupation

See how your military experience translates to a job in energy

Career Search



Search by

#### Civilian Occupation

Veterans have experience that add value to your business

Compare Experience

- New Administration gives hope for infrastructure projects.
- Veterans ideally suited for careers in energy industry and building infrastructure.
- Wide variety of careers (e.g., construction, pipefitters, electrical, IT).
- Website to assist veterans to transition to careers in oil and natural gas industry.

*America needs to build more energy infrastructure.*

- Take advantage of global energy leadership
- Get energy where it is needed, safely and affordably.
- Use more North American fuel – less imports.
- Generate government revenue for veteran services.
- Build careers for veterans.

- Send a Letter to your Member of Congress to voice support for more energy infrastructure:
  - Go to [Vets4Energy.com](http://Vets4Energy.com)
  - Click on "Take Action"
- Contact us: [info@Vets4Energy.com](mailto:info@Vets4Energy.com)



Thank you for your service.

[www.Vets4Energy.com](http://www.Vets4Energy.com)

**Vets4Energy**

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