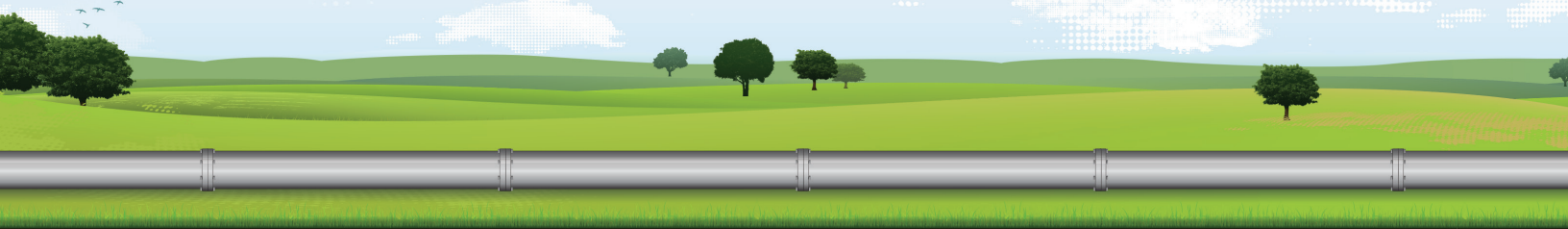


America's Energy Revolution

Pipelines: A Critical Role in America's Energy Future



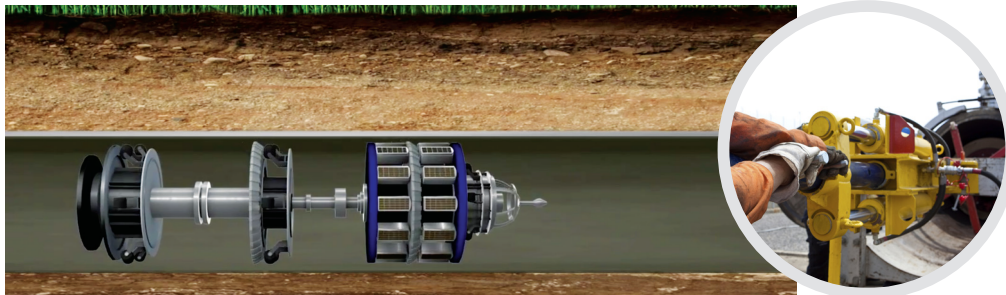
AMERICAN PETROLEUM INSTITUTE



We Are Investing in U.S. Pipeline Safety

- **\$2.1 billion** was spent by liquid pipeline operators to evaluate, inspect and maintain their pipelines in 2012 alone.⁵
- In the past decade, pipeline operators have implemented safety measures to reduce the number of pipeline spills by more than **57%** and to reduce the amount spilled by more than **27%**.⁶

Industry is building safety through increased focus and funding on high priority research on new and improved detection technologies, improved practices for managing pipeline defects, better data analysis, enhanced sharing of information across the industry, an industry-wide practice for managing safety and ensuring continuous improvement, joint emergency response exercises, easily accessed training for emergency responders and improved two-way communications with responders.



- Pipeline operators inspect their lines using devices called “smart pigs” to monitor pipelines from within. Smart pigs have on-board diagnostic systems, which can identify problems in the pipe wall due to corrosion, cracking or other sources of damage.

Boosting the U.S. Economy and Job Growth

- Investments in building, maintaining and updating the oil and natural gas industry’s transportation and storage infrastructure could contribute up to **\$120 billion** to the economy per year.⁷
- Investment in the infrastructure that moves and transforms oil and gas into everyday products could support as many as **1.15 million jobs** on an average annual basis, including **830,771 jobs** resulting from pipeline investment.⁸

Moving Oil and Natural Gas Safely

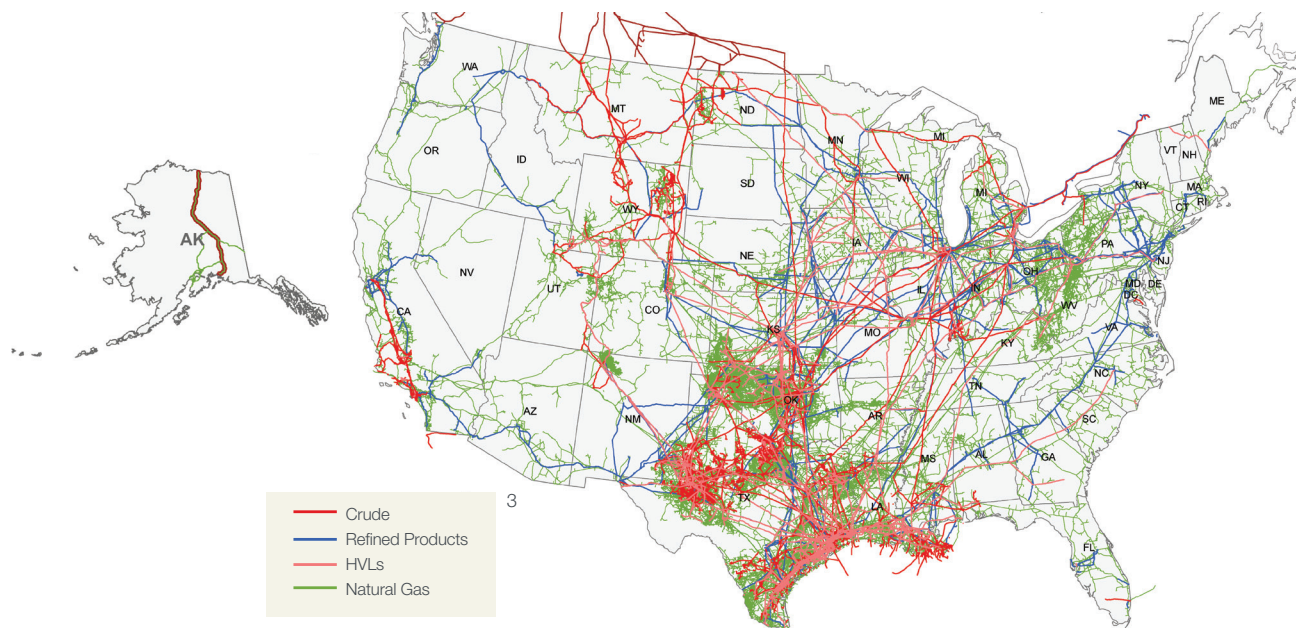


We Are #1

- **#1** — In 2013, the U.S. became the world's top producer of petroleum and natural gas, surpassing Russia and Saudi Arabia.¹

2013 — Domestic oil production increased to reach its highest level in 24 years, rising more than the combined increases in the rest of the world.²

The U.S. has the largest network of oil and natural gas pipelines of any country in the world.



Why Are Pipelines Important?

- America's oil and natural gas pipelines are a **vital link** connecting our abundant domestic and North American oil and natural gas resources in some of the most remote locations to refineries and chemical plants and resulting products to businesses and consumers here in the U.S. and around the globe.³
- The U.S. oil and natural gas pipeline network spans nearly **2.6 million** miles, safely carrying more than **15 billion** barrels of petroleum liquids each year and all natural gas produced in the U.S. (more than 24 trillion cubic feet in 2013).⁴



What Is the Future?

- Policies should support oil and natural gas industry facilities and infrastructure necessary to bring energy and petroleum-based products to consumers and businesses. This includes making improvements to existing pipelines, expedited permitting processes, and allowing new pipelines to be built in areas where energy development takes place.⁹
- Lack of adequate pipeline capacity in surging production areas creates chokepoints and bottlenecks that raise production costs and create growth constraints. Modernizing our energy infrastructure system provides opportunities for major economic growth and job creation, and it is essential for realizing the full potential benefits of new production gains.¹⁰

References

¹ <http://www.eia.gov/todayinenergy/detail.cfm?id=13251>

² <http://www.eia.gov/todayinenergy/detail.cfm?id=14531>

³ <http://www.energytomorrow.org/~media/EnergyTomorrow/pdfs/API-2014-State-of-American-Energy-Report.pdf>

⁴ *ibid*

⁵ <http://www.aopl.org/wp-content/uploads/2015/02/Pipelines-by-the-Numbers-2013.pdf>;
http://www.eia.gov/dnav/ng/ng_prod_sum_dcu_NUS_a.htm

⁶ <http://www.aopl.org/wp-content/uploads/2015/02/Pipelines-by-the-Numbers-2013.pdf>

⁷ <http://www.api.org/~media/Files/Policy/SOAE-2014/API-Infrastructure-Investment-Study.pdf>

⁸ *ibid*

⁹ <http://www.energytomorrow.org/~media/EnergyTomorrow/pdfs/API-2014-State-of-American-Energy-Report.pdf>

¹⁰ *ibid*

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