NATURAL GAS SOLUTIONS

Clean. Reliable. Affordable. These are the three big benefits of natural gas. And together they continue to change the energy landscape in this country and beyond. American natural gas is a solution that has forever altered the world’s energy equation by:

- Generating the power we need for our homes and businesses;
- Providing the building blocks for our manufacturing renaissance;
- Making our nation and our allies more secure;
- Propelling the next generation of clean transportation on our roads, oceans and waterways.

Power providers, manufacturing companies, surface and marine fleet operators and millions of small business and home-owners have turned to natural gas to ensure they can get the energy they need, at a price they can afford. In fact, natural gas produced nearly one-third of America’s power in 2015 and is expected to produce more electricity than any other fuel source in 2016.

Here’s why the three big benefits of natural gas matter:

Natural Gas Is CLEAN:

Natural gas emits half the CO2 emissions of coal when used to generate electricity. And since 2005, the use of natural gas by power plants that generate electricity has increased dramatically. Natural gas now accounts for nearly a third of all the power that is produced in the United States and will be the single source of power generation in 2016. That’s the biggest reason why levels of carbon dioxide in the air are the lowest they have been in nearly 25 years. In fact, the U.S. Energy Information Administration reported that almost two-thirds of the CO2 emission reductions from 2006 - 2014 came from fuel shifting toward natural gas.

Natural Gas Is RELIABLE:

The U.S. depends on available electricity, at the flip of a switch, 24 hours a day, 7 days a week. For that to happen, electricity supply and demand must always be in balance – at any given moment, there must be as much power supplied to our nation’s energy grid as the power being used at any given moment. That’s why all power systems require power generation that can be dispatched 24/7 and that is flexible enough to follow changes in the supply and demand. Natural gas
generation can reliably and efficiently meet both needs -- providing dispatchable power at an affordable cost to meet steady predictable demand and providing the flexible and fast-ramping power that is needed to support the grid and keep the lights on when consumers demand electricity and when intermittent resources like wind and solar are not available.

**Natural Gas Is AFFORDABLE:**

More natural gas means affordable natural gas. And America has a lot of natural gas which means long-term stable and affordable prices. To put the amount of natural gas the U.S. has in perspective think about this: In 2015 across every home, business and power plant that used natural gas the United States consumed about 27.5 trillion cubic feet of natural gas. According to the latest IHS study, there is 800 trillion cubic feet available that can be developed for $3 or less. Even more remarkable? There is twice as much gas or 1,400 trillion cubic feet recoverable for just a dollar more.


A detailed study commissioned by the American Petroleum Institute and conducted by the Brattle Group finds that as the U.S. electric industry continues to be transformed from a heavy reliance on coal and nuclear to more variable energy sources, grid operators should be focused on a key reliability attributes. The study measures whether a wide number of energy resources are relatively advantaged, neutral or disadvantaged when measured against these reliability attributes.


API's new study on the benefits that natural gas brings to American consumers, American workers and the U.S. economy.


Throughout the oil and natural gas industry, improving air quality to safeguard health is a principal goal, and natural gas has already provided impressive results.
The Natural Gas Solution: API’s Modeling Of EPA CPP

Market forces, public policy and environmental policy are driving the ongoing shift in our nation’s power generation mix. The challenge of ensuring environmental compliance, reliable generation and affordable electricity rests on states and regional transmission organizations that must consider the interests of electricity consumers as well as the overall well-being of the state economy. U.S. Environmental Protection Agency’s (EPA) Clean Power Plan (CPP) is a sweeping and complex rule affecting most power generation in the country, with the singular focus of environmental impact. Should the rule be upheld by the courts, states must carefully consider CPP implementation choices as they balance their need to meet emission requirements, maintain reliability and minimize costs. Natural gas generation meets all three objectives, providing a generation solution that is clean, reliable and affordable.