

THE UNITED STATES IS BLESSED WITH ONE OF THE LARGEST SUPPLIES OF ENERGY RESOURCES IN THE WORLD.

Since our inception, the Institute for 21st Century Energy has been focused on advocating for policies that harness all of our domestic energy sources, from coal and natural gas to renewables and nuclear energy. In 2012 as part of this effort, we launched the Shale Works for US campaign to give a voice to the U.S. businesses and industries that believe in promoting production of natural gas and oil from shale formations to boost our economy, create jobs and secure America's energy future. We do not represent any one business or industry. Rather, we believe shale is a tremendous economic force in America, with the potential to grow even more. Businesses large and small stand to gain from tangible economic growth, not to mention energy security, promised by shale development.

For decades, America has known it has vast quantities of energy captured in shale formations that could bring us a step closer to self-reliance—but technology did not exist to economically recover it.

Now, thanks to the spirit of innovation, an environmentally sustainable way to utilize our shale resources has been found. The combination of hydraulic fracturing and horizontal drilling has made oil and natural gas production from shale a reality which is **changing the face of our energy future and America's economy.**

U.S. ECONOMIC GROWTH



If developed to its full potential, the economic impact of shale energy will be enormous. Shale energy has already brought millions of jobs and billions of dollars to our nation's economy, all while helping to improve our energy security.

- ▲ In 2012, shale energy extraction supported 1.75 million jobs. Shale energy-related jobs will grow to more than 2.5 million in 2015, and to nearly 3.5 million in 2035.
- ▲ Shale energy provides a particularly strong "employment multiplier." For every job created in the shale sector, more than three jobs are added in other areas, representing one of the largest employment multipliers in the U.S.
- ▲ Americans working in shale-related jobs are paid an average of \$51.00 per hour, more than double the national average of \$23.70 per hour for similar industries.

Shale energy development is contributing more than \$237 billion to U.S. GDP in 2012. This is expected to increase to \$350 billion by 2015 and will double to \$475 billion by 2035.

THE OPPORTUNITY

America has led the world in the development and utilization of new energy sources from steam and oil to coal and efficiency technologies. We developed commercial electricity, nuclear energy and the internal combustion engine. We now know the United States is blessed with one of the largest energy reserves in the world. The combination of American ingenuity and these vast resources is now creating the next great energy revolution in Shale Energy.



SHALE BRINGS OPPORTUNITIES TO BOTH CONSUMERS AND BUSINESSES.

CONSUMERS



- ▲ Lower natural gas prices as a result of shale gas production will result in 10 percent lower electricity costs nationwide.
- ▲ Savings from lower natural gas prices will add an annual average of \$926 per year in disposable household income between 2012 and 2015. In 2035, this will increase to just over \$2,000 per household.
- ▲ New government revenues from shale energy production are benefiting communities across the country by allowing the state and local governments to invest in critical needs such as schools and public safety. By 2020, shale development activities will provide nearly \$113 billion in local, state and federal tax and royalty revenue.

INDUSTRY



- ▲ Shale gas is used to produce the consumer and industrial goods we use every day. If shale projections are realized, the chemical industry alone will generate 17,000 highly-skilled, high-paying jobs. The industry will add another 165,000 jobs elsewhere in the economy from investment due to savings attributed to lower natural gas prices.
- ▲ If shale energy development stays on course, U.S. manufacturing companies could employ approximately one million more workers by 2025 due to benefits from affordable energy and increased demand for products used to extract shale gas.



DID YOU KNOW...

THANKS IN LARGE PART TO SHALE ENERGY NET OIL IMPORTS ARE EXPECTED TO DECREASE BY 50% BY 2020, REDUCING AMERICA'S IMPORTED OIL BILL BY \$200 BILLION.