



ENACTED HIGHLIGHTS OF THE INNOVATION AGENDA 1.0

PROMOTING ENERGY INDEPENDENCE

- Created a new Advanced Research Projects Agency for Energy (ARPA-E) that is stimulating innovation in the area of renewable energy, providing resources to develop high-potential, high-impact clean energy generation, storage and efficiency technologies and is also attracting investment to commercialize ideas.
- Reduced our reliance on foreign oil, including by: 1) significantly increasing the fuel efficiency of cars and trucks – the first increase in a generation and saving American families \$700 to \$1,000 per year at the pump; 2) making an historic commitment to American-grown biofuels; and 3) requiring that 15 percent of our electricity come from renewable sources by 2020.
- Promoted renewable energy by extending and improving clean energy tax incentives for various types of renewable energy sources, including solar, wind, geothermal, and biomass.
- Enacted landmark new energy efficiency standards for a wide range of appliances, lighting, and buildings, which will save consumers hundreds of billions of dollars. Also helped state and local governments make investments in innovative best practices to achieve greater energy efficiency.

EDUCATING A NEW GENERATION OF INNOVATORS

- Authorized funding for additional STEM teachers through the National Science Foundation's Robert Noyce Teacher Scholarship Program and other programs. Also expanded and strengthened NSF's Mathematics and Science Education Partnerships program (now renamed NSF's STEM + Computing Partnerships program), which invests in improving the learning and teaching of STEM subjects.
- Invested in making college more affordable for all students by providing the largest college aid expansion since the GI Bill in 1944, cut student loan rates in half and dramatically increased investments in Pell Grant initiatives with a 40% increase in awards.

A SUSTAINED COMMITMENT TO RESEARCH & DEVELOPMENT

- Increased investments in basic scientific research, and put America on a path to double funding for the National Science Foundation (NSF), the National Institute of Standards and Technology (NIST), and the Department of Energy's Office of Science.
- Extended and made improvements in the Research & Development tax credit, which fosters domestic R&D investment, spurs innovation, and creates more high-quality American jobs.

ACCELERATING ENTREPRENEURSHIP

- Spurred new manufacturing processes and technologies by putting America on a path to double funding for the Manufacturing Extension Partnership (MEP), which leverages federal, state, and private dollars to help small and medium-sized manufacturers promote innovation.
- Improved access to capital for small businesses by making improvements in the 7(a) small business loan program and reviving the Small Business Investment Company (SBIC) program. Modernized the Small Business Innovation Research (SBIR) program by cutting red tape, reducing the lag time between the award phases, and providing additional funding for the commercialization phase.

AFFORDABLE BROADBAND ACROSS AMERICA

- Expanded high-speed access to the Internet in rural and underserved communities, enhanced computer training and established community networking centers. Required the development of a national broadband access map and improved broadband data collection and reporting. Has spurred the increase in wireless broadband technologies.