



**FY 2012 Funding for the U.S. DEPARTMENT OF ENERGY
OFFICE OF SCIENCE
April 2011**

Position: The Council for Chemical Research (CCR) **supports the goal of doubling the budget of the DOE Office of Science by FY17** (which began with the Bush administration's FY07 budget request). Therefore, CCR urges FY12 funding of \$5.5 billion (a 7.8% increase over the FY11 request) to stay on this growth path and to ensure predictable and sustainable support for ongoing R&D projects. CCR supports the \$386 million increase in the Basic Energy Sciences (BES) program to \$2 billion (24% over FY10 appropriations). We support the President's proposed increased funding for the Office's high priority research areas, such as Energy Innovation Hubs, clean energy, computational materials/chemistry, biotechnology and nanotechnology.

Who We Are: CCR is a non-profit organization dedicated to advancing multi-sector, multi-disciplinary research in the chemical sciences and engineering. Its member organizations – companies, universities and government laboratories – are represented in CCR by their research leaders.

We strongly urge the important components of funding for physical sciences research be maintained. Our studies (<http://www.ccrhq.org/publications>) and those of others demonstrate that Federal investments in chemical science research yield significant payback for the US economy. **Every dollar of Federal investment is leveraged by \$5 of private investment; this investment generates \$10 of operating income for industry (a 17% annual after tax return), the economy gains roughly \$40 in GDP and \$8 in increased tax revenues. A highly regarded CCR study showed that for 2001 the overall \$1B Federal investment in chemical R&D will create 600,000 new jobs over the following 20 year period.**

Rationale

The US economy is facing strengthening threats from international competitiveness. Energy is one sector in which the US still maintains key technological advantages. Supporting these strengths is essential in order to maintain US economic competitiveness and job growth. DOE's Office of Science supports enabling research that creates advances in the US energy sector, leading to US competitiveness. Consistent, focused support of the DOE Office of Science will:

- **Contribute to the nation's global competitiveness** by providing the robust scientific base needed to create new businesses and new jobs.
- **Promote the growth of high-quality manufacturing jobs** built upon innovative and sustainable technologies.
- **Enhance energy security and availability of sustainable energy sources**, which is a critical need for our nation's future.
- **Produce and sustain well-trained, talented and dedicated** researchers who are required for the shift in fuels utilized in the US and to help improve the security of the nation.
- **Allow access to modern instrumentation**, ranging from advanced computers to synchrotrons and radiation sources. These instruments provide key US advantages over international competition.
- **Provide discoveries** that lead to new chemical processes, novel new materials and new types of energy resources to reliably and securely supply energy to the nation for the foreseeable future.