

## Congressionally Directed Projects

### Funding Profile by Subprogram

(dollars in thousands)

	FY 2010 Current Approp.	FY 2012 Request
Congressionally Directed Projects	74,737 <sup>a</sup>	0

#### Description

The Energy and Water Development and Related Agencies Appropriations Act, 2010 included 76 congressionally directed projects within the Office of Science. Funding for these projects was appropriated as a separate funding line although specific projects may relate to ongoing work in other programmatic areas.

#### Detailed Justification

(dollars in thousands)

	FY 2010 Current Approp.	FY 2012 Request
<b>Congressionally Directed Projects</b>		
▪ Advanced Artificial Science and Engineering Research Infrastructure (TX)	292	0
▪ Advanced Manufacturing and Engineering Equipment (IN)	972	0
▪ Alaska Climate Center (AK)	972	0
▪ Algae to Biodiesel, Carlsbad (NM)	729	0
▪ Antibodies Research, University of North Dakota (ND)	2,916	0
▪ Applied Biomechanical Engineering Graduate Program (IN)	388	0
▪ Bethune-Cookman University STEM Research Lab (FL)	243	0
▪ Building Surface Science Capacity to Serve the Automobile Industry in Southeastern Michigan (MI)	486	0
▪ Carbon Nanotube Technology Center (CANTEC) (OK)	972	0
▪ Center for Advanced Bio-Based Binders (CABB) and Pollution Reduction Technologies (IA)	923	0
▪ Center for Advanced Scientific Computing and Modeling (CASCAM) (TX)	680	0
▪ Center for Diagnostic Nanosystems, Marshall University, Huntington (WV)	2,916	0

<sup>a</sup> In FY 2010, \$1,922,250 and \$230,670 were transferred to the SBIR and STTR programs, respectively, for continuation of the SBIR and STTR programs that are mandated by Congress.

(dollars in thousands)

	FY 2010 Current Approp.	FY 2012 Request
▪ Center for Nanomedicine and Cellular Delivery, School of Pharmacy, University of Maryland, Baltimore (MD)	486	0
▪ Center for Sustainable Energy at Bronx Community College, Bronx, NY (NY)	486	0
▪ Clean Energy Infrastructure Educational Initiative (OH)	486	0
▪ Clean Energy Storage, Conversion, and Generation Research (IL)	486	0
▪ Clemson University Cyberinstitute (SC)	486	0
▪ Climate Model Evaluation Program (AL)	1,750	0
▪ College of Saint Elizabeth (NJ)	972	0
▪ Computational Modeling of Drug-Resistant Bacteria (TN)	889	0
▪ Computing Capability (ND)	4,860	0
▪ Development of Ultrafiltration Membrane-Separation Technology for Energy-Efficient Water Treatment (NV)	777	0
▪ Energy Efficiency & Water Institute Research Facility, Purdue University-Calumet (IN)	1,944	0
▪ Energy Systems Engineering Institute (PA)	486	0
▪ Enhancement for the Intermountain Center for River Restoration and Rehabilitation (UT)	583	0
▪ Environmental Quality Monitoring and Analysis (IL)	486	0
▪ Fourier Transform Nuclear Magnetic Resonance (FTNMR) Spectrometer (NY)	486	0
▪ Fuel Cell Research, Brown University (RI)	1,458	0
▪ Functional MRI Science Research, University of Vermont College of Medicine, Burlington (VT)	1,166	0
▪ Fusion Energy Spheromak Turbulent Plasma Experiment (STPX) (FL)	486	0
▪ Green Manufacturing and Energy Conscious Design Program (MI)	972	0
▪ Idaho Accelerator Center Production of Medical Isotopes (ID)	1,458	0
▪ Idaho National Laboratory Center for Advanced Energy Studies (ID)	972	0
▪ Institute for Collaborative Sciences Research (FL)	1,166	0
▪ Institute for Integrated Sciences at Boston College (MA)	1,944	0

(dollars in thousands)

	FY 2010 Current Approp.	FY 2012 Request
▪ Kansas University Cancer Research Equipment (KS)	3,888	0
▪ Landfill Leachate Recirculation and Gas to Energy Project (NC)	486	0
▪ Marine Systems Energy/Environmental Sustainability Research (MA)	292	0
▪ Martin County Microfiber Hydrogen Fuel Cell Technology Development (NC)	972	0
▪ Material Science Smart Coatings (NE)	486	0
▪ Meteorology and Atmospheric Science Program at the University of Louisville (KY)	340	0
▪ Nanotechnology Initiative (CT)	729	0
▪ Nevada Water Resources Data, Modeling, and Visualization (DMV) Center (NV)	729	0
▪ Notre Dame Innovation Park, South Bend (IN)	559	0
▪ Performance Assessment Institute (NV)	972	0
▪ Physical and Biological Sciences Laboratory Learning Center (FL)	389	0
▪ Pioneer Valley Life Science Institute Translational Biomedical Research (MA)	389	0
▪ Renovation and Development of the Louisiana State University Nuclear Science Building (LA)	972	0
▪ Ribonucleic Acid Interference Research (RNAi) (MA)	292	0
▪ Rockland Community College Science Lab Upgrade (NY)	292	0
▪ Science Center Equipment and Energy Efficient LEED Technology (UT)	875	0
▪ Science Lab Expansion (NY)	535	0
▪ Smart Grid Communications Security Project (CO)	972	0
▪ Smart Grid Simulation Laboratory (CO)	875	0
▪ Southern Utah University Science Center Energy Efficiency Modernization and Enhancement Project (UT)	972	0
▪ State-of-the-Art Large-Scale Testing for Wind to Enhance Infrastructure Resiliency and Develop Energy-Efficient Buildings (FL)	972	0
▪ STEM Infrastructure Improvement Project (SC)	1,458	0

(dollars in thousands)

	FY 2010 Current Approp.	FY 2012 Request
▪ STEM Minority Graduate Program (PA)	4,374	0
▪ Susquehanna University, Equipment for New Science Center (PA)	972	0
▪ Sustainable Biofuels Development Center (CO)	486	0
▪ Targeted Radiotherapy for Melanoma (MA)	292	0
▪ Technology Transfer & Commercialization of Technologies at DOE Laboratories (NM)	729	0
▪ The New School Green Building (NY)	972	0
▪ Transylvania University Brown Science Center Equipment (KY)	632	0
▪ Twin Tower Observatory (CA)	194	0
▪ Ultra Fast Power Processor for Smart Grid (CA)	972	0
▪ Unique Methodologies for Nano/Micro Manufacturing and Job Training for Nanotechnology (IL)	486	0
▪ University of Delaware Energy Institute (DE)	486	0
▪ University of Illinois at Chicago High Performance Computing (IL)	972	0
▪ University of Massachusetts Integrative Science Building (MA)	1,944	0
▪ University of Rhode Island Regional Earth Systems Institute (RI)	729	0
▪ University of South Dakota Catalysis Group for Alternative Energy (SD)	1,069	0
▪ University of Tulsa Algae to Green Fuels Energy Project (OK)	729	0
▪ University Park and Research Center in Chula Vista, (CA)	972	0
▪ Whitworth University STEM Equipment (WA)	292	0
▪ Yttrium-90 Microspheres Research (WA)	1,215	0
<b>Total, Congressionally Directed Projects</b>	<b>74,737</b>	<b>0</b>