

# APLU FY2012 Programmatic Target Requests by Appropriations Bill

Updated 10 May 2011

**\* (These are APLU current requests and are subject to change as the process continues.  
The FY2011 numbers may not reflect the 0.2% cut to non-defense programs.)**

## AGRICULTURE:

Department of Agriculture - National Institute of Food and Agriculture (NIFA)

- Agriculture and Food Research Initiative (AFRI)
  - **APLU FY2012 Request: \$324.655 million**  
(FY12 PBR = \$324.6M; FY2011 = \$264.5M; FY2010 = \$262.482M)
    - APLU supports a request of \$324.6 million for the Agriculture and Food Research Initiative, USDA's flagship competitive grants program.
    - AFRI provides peer-reviewed grants to support: (1) high priority fundamental and mission-linked research of importance in the biological, environmental, physical, and social sciences relevant to agriculture, food, the environment, and rural communities; and (2) competitively awarded research, extension, and education grants addressing key issues of national and regional importance to agriculture, forestry, and related topics.
    - AFRI benefits the nation in numerous ways, providing:
      - America's farmers and foresters with the genomic data and biotechnology tools to expand food and fiber production, processing, and international trade.
      - U.S. healthcare professionals with insight into the relationships between diet and health.
      - Extension specialists and their clients expanded knowledge about water quality to help protect the environment and safeguard our food systems.
      - University educators with the funding to train new generations of food, agriculture, and natural resource scientists.
- Capacity Funds: Formula and Block Grant Funding Programs of NIFA
  - APLU also urges strong support for six NIFA funding lines that underwrite the basic research and extension capacity at America's land-grant universities and related institutions. All but one (1994s Extension) of these programs have state-matching requirements and are essential to sustain the national food, agriculture, and natural resources research and extension capabilities that benefit both rural and urban areas.
    - Hatch Act (\$236.3 Million)
    - Evans-Allen (\$50.89 Million) for agricultural research
    - McIntire-Stennis (\$32.93 Million) for cooperative forestry research
    - Smith-Lever (\$310.0 Million)
    - Extension Services at 1890 Institutions (\$44.29 Million)
    - Extension Services at 1994 Institutions (\$5.32 Million)

Additional APLU FY2012 Agriculture Appropriations bill priorities and detailed justifications, as determined by the Association's Commission on Food, Environment and Renewable Resources Board on Agriculture Assembly, are available at: <http://www.land-grant.org/>.

## COMMERCE-JUSTICE-SCIENCE:

### National Science Foundation (NSF)

- **APLU FY2012 Request: \$ 7.77 billion**  
(FY12 PBR = \$7.77B; FY2011 = \$6.87B; FY2010=\$6.926B)
  - APLU supports a request of 7.77 billion for FY2012 for the National Science Foundation, an agency key to the development of new innovations and our national economic competitiveness, and move toward the goals outlined in the bipartisan America COMPETES Act.
  - The NSF funds merit-based research and supports science, math and engineering education across the country, including at APLU universities in all 50 states. NSF investments are also necessary to ensure we build a better America by remaining a global leader in science and technology. In these challenging budget times, funding scientific research should be a priority. Science and technological advances, like those funded by NSF, are the foundation of our nation's economic growth and aid in our national defense.

### National Oceanographic and Atmospheric Administration (NOAA)

- **APLU FY2012 Request: \$5.49 billion**  
(FY12 PBR = \$5.49B; FY2011 = \$4.6B; FY2010=\$4.8B)
  - APLU supports a level of \$5.49 billion for the National Oceanic and Atmospheric Administration (NOAA). NOAA conducts crucial science related to our oceans and atmosphere that provides decision makers with critically important data and services that enhance the nation's economy, security, and environment. In particular interest, we support funding of the Sea Grant program, which is a nationwide network of 30 university-based programs that work with coastal communities on research and outreach programs to promote better understanding, conservation and use of our coastal resources.

### National Aeronautics and Space Administration (NASA)

- NASA Science Mission Directorate
  - **APLU FY2012 Request: \$5.0 billion**  
(FY12 PBR = \$5.0B; FY2011 = \$4.95B; FY2010=\$4.47B)
    - The NASA Science Mission Directorate is an essential part of meeting the growing challenges to fully understand global changes to the Earth and answer fundamental questions regarding the universe through space exploration. APLU supports a \$5.0 billion budget request.
- NASA Aeronautics Research Directorate
  - **APLU FY2012 Request: \$569 billion**  
(FY12 PBR=\$569M; FY2011 = \$535M; FY2010=\$497M)
    - The Aeronautics Research Directorate funds research vital to the aviation field. This field requires solutions for the next generation of aeronautics advances.

Additional funding is needed to answer the questions surrounding safety, capacity and environmental compatibility.

- NASA Space Technology
  - **APLU FY2012 Request: \$1.0 billion**  
(FY12 PBR=\$ 1.0B; FY2011 = --; FY2010= \$275M)
    - NASA Space Technology focuses on the technological advances required for NASA's future missions as well as providing technologies that can improve the capabilities and lower the cost of commercial space activities.
    - The activities funded in Space Technology provide a balance between long-range, mission-focused technology investments and transformational technology investments that enable revolutionary capabilities. NASA sponsors relevant activities at its Centers, in academia and industry, and in partnership with other Government agencies.
  
- NASA Education Programs
  - **APLU FY2012 Request: \$138 million**  
(FY12 PBR=\$138 M; FY2011 = \$145M; FY2010= \$180M)
    - NASA's education programs have fostered inquiry, built curiosity, and encouraged innovation. Generations of Americans have participated in NASA's science, technology, engineering, and mathematics (STEM) education programs, and thereby learned basic skills, discovered new career paths, and developed interests in emerging academic disciplines.
    - In particular, APLU strongly supports funding of the NASA Space Grant Program, which supports state-based consortia of academia, industry, and education organizations. In FY 2010, nearly 21,000 Space Grant-supported undergraduate and graduate students participated in authentic hands-on research and engineering challenges, including developing and launching payloads on high altitude balloons, rockets, and other platforms.

National Institute on Standards and Technology (NIST)

- Technology Innovation Program (TIP)
  - **APLU FY2012 Request: \$75 million**  
(FY12 PBR = \$75M; FY2011 = \$44.9M; FY2010 = \$69.9M)
    - The NIST TIP program funds high-risk, high reward research proposals from U.S. universities, businesses, national laboratories, other organizations and consortia of these entities. Such research has the potential to yield transformational results with far- and wide- ranging implications. TIP-funded research addresses areas of critical national need and is awarded to support, promote and accelerate innovation.
  
- Manufacturing Extension Program (MEP)
  - **APLU FY2012 Request: \$142.6 million**  
(FY12 PBR = \$142.6M; FY2011 = \$128.7M; FY2010 = \$124.7M)

- MEP focuses on increasing the competitiveness of the U.S. industrial base by bridging the productivity gap for manufacturers, identifying opportunities for growth, and encouraging technology development. MEP supports centers in every state. The MEP centers are non-profit, university or state-based organizations which provide manufacturers with an array of services that focus on growth, productivity, and efficiency.
- Competitive Construction Grants Program
  - **APLU FY2011 Request: \$20 million**  
(FY12 PBR = \$0; FY2011 = \$0; FY2010 = \$20M)
    - APLU urges continued funding at NIST for the competitive extramural research facilitates construction grant program at the level funded in FY2010. There is much demand for this program which supports the construction of new and expanded scientific research facilities across the country and thus helps keep the U.S. at the forefront of scientific and technological innovation and encourages economic growth.

Department of Commerce, Economic Development Administration

- Economic Development Administration – Technical Assistance Program
  - **APLU FY2011 Request: \$18.4 million**  
(FY12 Request - \$18.4M; FY2011 = TBD; FY2010 \$9.8M)
    - APLU supports a funding level of \$18.4M for the EDA Technical Assistance Program which includes funding for the University Centers program. EDA University Centers draw on the resources and expertise within colleges and universities to provide technical assistance to public and private sector organizations to enhance local economic development.
    - There are currently 52 University Centers in 42 states and Puerto Rico that provide various services to their economic service area, including: feasibility studies, data analysis, geographic analysis (GIS), strategic planning, and other targeted technical assistance.
    - Increased funding in FY12 will enable EDA to increase its UC network which will accelerate the development of regional innovation hubs.
- Economic Development Administration – Regional Innovation Program (Growth Zones)
  - **APLU FY2011 Request: \$40 million**  
(FY12 - \$40M; FY2011 = \$0; new program in FY2012 )
    - APLU supports a funding level of \$40M for the Regional Innovation Program (Growth Zones initiative), which was authorized through the America COMPETES Act of 2010, to build regional innovation clusters that capitalize on the strengths of specific geographic regions.
    - Under this authorization, EDA will implement the multi-agency Growth Zones initiative to provide strategic investments to help communities leverage their innovation ecosystems to create jobs, businesses and regional economic growth. Competitive awards will be made to 20 communities to develop and implement strategic plans that identify and implement regional economic growth in order to stimulate job creation, business expansion and creation, and enhanced regional prosperity.

- APLU institutions can play a pivotal role helping to develop and implement those cluster-based economic growth strategies.

## DEFENSE:

Department of Defense (DOD)

- DoD Basic Research (6.1)
  - **APLU FY2012 Request: \$2.08 billion**  
(FY12 PBR = \$2.08B; FY2011 = \$ ; FY2010=\$1.88B)
    - Defense Secretary Robert Gates has stated, “As changes in this century’s threat environment create strategic challenges – irregular warfare, weapons of mass destruction, disruptive technologies...greater emphasis on basic research...” is needed and “...in recent years has not kept pace with other parts of the budget.” Secretary Gates and other Pentagon officials recognize and hail the importance of basic research to keep our military armed with cutting edge technology and to provide our soldiers with the tools necessary to succeed on the battlefield.
    - Over the years, the Defense Advanced Research Projects Agency (DARPA) has played an important role in funding high-risk, high-reward research which has led to many significant defense technologies, some of which have also evolved into remarkable civilian applications. APLU urges increased funding and strong support for this game-changing research agency.

## ENERGY-WATER:

Department of Energy (DOE)

- DOE Office of Science
  - **APLU FY2012 Request: \$5.416 billion**  
(FY12 PBR = \$5.416B; FY2011 = \$4.884B; FY2010 = \$4.904B)
    - APLU supports \$5.4 billion for the DOE Office of Science, a funding level would help continue to fund leading-edge energy research and educating the next generation of scientists. Strong, sustainable and predictable funding levels for research, including the Office of Science, are also necessary to ensure we build a better America by remaining a global leader in science and technology. In these challenging budget times, funding scientific research should be a priority. Science and technological advances, like those funded by DOE, are the foundation of our nation’s economic growth and aid in our national defense.
- DOE Office of Science - Energy Frontier Research Centers (EFRCs)
  - **APLU FY2012 Request: \$ 100 million**  
(FY12 PBR = \$100M; FY2011= TBD; FY2010=\$0 (funded via ARRA))
    - Funding for the EFRCs within the Office of Science at \$100 million would allow for continued support for multi-year grants for these competitively awarded research centers. The ERFCs focus on the grand energy challenges identified by the Basic Energy Sciences Advisory Committee.

- Advanced Research Projects Agency for Energy (ARPA-E)
  - **APLU FY2012 Request: \$550 million**  
(FY12 PBR = \$550M; FY2011 = \$180M; FY2010=\$0 (funded via ARRA))
    - ARPA-E assembles cross-disciplinary research teams focused on addressing the nation's most urgent energy needs through high-risk research and the rapid development of transformational clean energy technologies. By leveraging talent in all sectors - from private industry, to universities, to government labs - ARPA-E fosters a robust and cohesive community of energy researchers and technology developers in the United States.
  
- Cross-agency Energy Innovation Hubs
  - **APLU FY2012 Request: \$146 million**  
(FY12 PBR = \$146M (6 hubs); FY2011 = TBD; FY2010=\$66M (3 hubs))
    - APLU supports the multidisciplinary cross-agency effort in the Administration's Budget Request for Energy Innovation Hubs. Modeled after the successful Bioenergy Centers, these hubs foster research and development consortia comprised of universities, federal laboratories, and federally funded research centers, to collaborate on specific energy challenges. APLU supports funding of \$146 million, which would continue multi-year funding for the three existing hubs and allow for three new hubs in critical research areas.

## **INTERIOR-ENVIRONMENT:**

### National Endowment for the Humanities (NEH)

- **APLU FY2012 Request: \$167.5 million**  
(FY12 PBR = \$146M; FY2011 = \$155M; FY2010 = \$167.5M)
  - The NEH is the lead federal agency focused on the development and support of scholarship and other work in the humanities. NEH is a vital source of funds for scholars and researchers whose work helps citizens and policy-makers alike better understand and address the social, economic, and political challenges facing the world today.
  - APLU urges a restoration of the FY2010 levels for NEH and urges Congress to support the competitive core programs supporting a wide range of institutions and individual scholars. NEH grants are awarded on a competitive, merit-reviewed basis to organizations and institutions in every U.S. state and territory. Many grants provide significant leveraging of nonfederal giving through matching requirements.

### United States Geological Survey (USGS)

- Cooperative Fish & Wildlife Research Units
  - **APLU FY2012 Request: \$ 18.9 million**  
(FY12 PBR = \$18.82M; FY2011 = TBD; FY2010 = \$19.31M)

- CRU consists of 40 Units in 38 states and are true federal-state-university-private partnerships. The Units target the interface of science and management and are crucial to successfully addressing the natural resource management challenges of the nation. They also serve to train the next generation of natural resource professionals grounding them in science while giving them a management-orientation with experience at the private, state, and federal levels.

- Water Resources Research Institutes

- **APLU FY2012 Request: \$ 8.8 million**  
(FY12 PBR = \$0; FY2011 = TBD; FY2010 = \$6.5M)
  - WRRI are essential to solving state, regional and inter-jurisdictional water resources problems with federal funding serving as *the driving force of collaboration* in water research and education. For example, Institutes in Louisiana, California, and North Carolina made major contributions in emergency planning and hurricane recovery, protecting groundwater aquifers from sea water intrusion and reducing water treatment costs. The institutes also serve to train the next generation of water resources managers and scientists.

Environmental Protection Agency (EPA)

- EPA Office of Science and Technology

- **APLU FY2012 Request: \$826 million**  
(FY12 PBR = \$826M; FY2011 = TBD; FY2010 = \$848M)
  - APLU supports a request of \$826 million for the EPA Office of Science and Technology, a critical funder of grants to increase our understanding of the risks to human health and ecosystems, and to development of innovative solutions to these problems. Within the Office of Science and Technology, APLU strongly supports the Science to Achieve Results (STAR) program, which competitively funds research grants and graduate fellowships in numerous environmental science and engineering disciplines, engaging the nation's best scientists and engineers in targeted research to complement EPA's intramural research efforts.

## **LABOR-HHS-EDUCATION:**

National Institutes of Health (NIH)

- **APLU FY2012 Request: \$ 32 billion**  
(FY12 PBR = \$31.829B; FY2011 = \$30.7B; FY2010 = \$31.168B)
  - APLU supports the \$32 billion for NIH. NIH is the nation's primary agency for supporting biomedical research. The NIH competitively awards grants to scientists at APLU universities in all 50 states as well as many other institutions across the country and world. This funding would allow the NIH to continue to educate the next generation of scientists and fund leading-edge research with the goals of improving health and saving lives through medical discovery and scientific leadership.

## Department of Education

- Pell Grant Program
  - **APLU FY2012 Request: \$5,550 for the maximum award**  
(FY12 PBR = \$5,550; FY2011 = \$5,550; FY2010 = \$5,550)
    - APLU strongly supports the Administration's request of \$5,550 for the maximum Pell award. The Federal Pell Grant Program provides need-based grants to financially disadvantaged students. The grants are the foundation of low-income students' aid packages, to which other forms of aid are added. The Pell program is the largest federal source of college aid to students, and the Administration expects 9.6 million students to participate in the program in FY2012.
  
- Supplemental Educational Opportunity Grant (SEOG)
  - **APLU FY2012 Request: \$757 million**  
(FY12 PBR = \$757 M; FY2011 = \$737M; FY2010 = \$757 M)
    - The Supplemental Educational Opportunity Grant program provides up to an additional \$4000 in grant assistance to Pell Grant recipients with unmet need. Institutions must match one-to-three the federal SEOG funds.
  
- Federal Work Study
  - **APLU FY2012 Request: \$980 million**  
(FY12 PBR = \$980 M; FY2011 = \$980M; FY2010 = \$980M)
    - Work Study awards are increasingly significant for high-need students as enrollments increase reflecting a growing trend toward those returning to college seeking new skills to become more employable in the depressed job market.
    - A•P•L•U supports level funding the program at FY2010 levels in FY2012.
  
- TRIO Programs
  - **APLU FY2012 Request: \$920 million**  
(FY12 PBR = \$920M; FY2011 = \$895M; FY2010 = \$910M)
    - The TRIO program helps low-income, first generation students prepare for, enter, and graduate from college. Two-thirds of TRIO students come from families with incomes of less than \$34,000 for a family of four, where neither parent graduated from college. TRIO programs currently serve 840,000 students in all 50 states.
  
- Perkins Loans
  - A•P•L•U looks forward to working with the Administration and Congress to restructure the program in FY2012.
  
- Graduate Assistance in Areas of National Need (GAANN)
  - **APLU FY2012 Request: \$31 million\***  
(FY12 PBR = \$41M\*; FY2011 = TBD; FY2010 = \$31M)
    - \* The Administration's FY2012 budget proposal seeks to fold the Javits program into GAANN and would level fund the new combined program at approximately \$41 million (\$31 M for GAANN and \$9.6 M for Javits)
    - Through traineeships, the GAANN program strengthens U.S. economic competitiveness by graduate students in critical fields of study.



- The community looks forward to working with the Administration to work out the details of the proposed merger.
- Jacob Javits Fellowship Program
  - **APLU FY2012 Request: \$9.6 million\***  
(FY12 PBR = \$0\*; FY2011 = \$8.1M; FY2010 = \$9.6M)  
\* See note in GAANN above
    - Javits awards go to individual students and support the arts, the humanities and social sciences.
- Other Graduate Education Issues
  - **Proposal to end subsidized loans for graduate education:** We appreciate the need to maintain the maximum Pell Grant award and the efforts to make that goal a reality. At the same time, we hope that subsidized loans for graduate and professional students are not completely eliminated, as our nation will need these highly trained individuals to compete in the future.
- Gaining Early Awareness & Readiness for Undergraduate Programs (GEAR UP)
  - **APLU FY2012 Request: \$323 million**  
(FY12 PBR = \$323 M; FY2011 = \$303M; FY2010 = \$323M)
    - The GEAR UP grant program is designed to increase the number of low-income students who are prepared to enter and succeed in postsecondary education.
    - GEAR UP provides six-year grants to states and partnerships to provide services at high-poverty middle and high schools.
- Dept of Education International Education Programs
  - **APLU FY2012 Request: \$125 million**  
(FY12 PBR = \$125M; FY2011 = \$75M; FY2010 = \$125M)
    - For International Education and Foreign Languages Studies, APLU supports funding of \$125 million, the same as in FY 2010. This includes \$108.360 million for Title VI-A&B; \$15.576 million for Fulbright-Hays 102(b)(6); and \$1.945 million for the Institute for International Public Policy, Title VI-C.

## **STATE-FOREIGN OPERATIONS:**

Agency for International Development (USAID)

- Higher Education in Africa: US Higher Education Partnerships
  - **APLU FY2012 Request: \$ 15 million**  
(FY12 PBR = Not included; FY2011 = \$15M; FY2010 = \$15M)  
(Note: *The Administration's request has not in the past designated a specific funding level for the Higher Education in Africa.*)
    - APLU requests \$15M to continue this important partnership program. Lack of human capacity in Africa is a major impediment to development on the continent; it undermines US development assistance efforts and makes doing business with Africa costly and difficult. U.S. investment in African higher education has been minimal for several decades despite high levels of interest from US universities to

engage in developing the capacity of African institutions and the well-documented success of past university-to-university capacity building efforts.

- Eleven US universities have been funded to work with African partners in a number of key areas: agriculture, health, business, education.
- Going forward, it might be beneficial to house the partnership program under Feed the Future, with the understanding that food security is defined broadly, to include nutrition (health), business, and education related to agricultural development all along the value chain.

- Collaborative Research Support Programs (CRSPs)

- **APLU FY2012 Request: \$31.5 million**

- (FY12 PBR = Not included; FY2011 = \$31.5M; FY2010 = \$31.5M)

- (Note: The Administration's request does not typically designate a specific funding level for the Collaborative Research Support Programs.)*

- APLU requests \$32 million to continue this important program. The CRSPs leverage the expertise of U.S. universities to help build human and institutional capacity of developing countries while conducting problem-solving research to improve their agricultural practices and help them feed their own people. This competitively bid program engages U.S. university capabilities for important international development needs. It improves agricultural practices, addresses the food crisis, and helps poor countries become more self-sustaining.
  - Currently there are nine CRSPs involving researchers at 50 universities in 39 states and territories.

## **TRANSPORTATION - HOUSING URBAN DEVELOPMENT:**

Department of Housing and Urban Development (HUD)

- Sustainable Communities Partnerships

- **APLU FY2012 Request: \$150 million**

- (FY12 PBR = \$150M; FY2011 = \$100M; FY2010 = \$150M)

- The Sustainable Communities Partnerships, which is an interagency effort among HUD, DOT and EPA aims to catalyze sustainable and livable communities by consciously integrating housing, employment, and economic development with transportation and other infrastructure improvements. The planning grants are competitive and awarded to regional consortia that include state and local government, educational institutions, and other community and economic stakeholders. They provide an important multi-disciplinary way for Universities to engage in their community and enhance the quality of life in their cities.

- University Community Fund

- **APLU FY2012 Request: \$25 million**

- (FY12 PBR = Not included; FY2011 = TBD; FY2010 = \$25M)

- APLU supports funding for the University Community Fund, which supports partnership efforts for minority-serving universities to engage in neighborhood development. This is an important program that was funded at \$25 million in FY2010.