Each year ASU’s Office of Federal Relations prepares a document articulating ASU programmatic priorities for that Congressional session. Below are those priorities for the FY13 appropriations cycle as of February, 2012 and is written for Congressional office use. Many additional items will come into play throughout the legislative session that require focused effort and attention that are not captured in the below document. The below also does not capture authorization and policy issues that require a significant amount of time and effort to implement: for example, ASU support the Dream Act which is not captured below. I have organized the below priorities along lines most helpful to our Congressional offices, by appropriation subcommittee.

If you have questions, feel free to contact me at Stu.Hadley@asu.edu
PRIORITIES FOR THE FY13 Labor/HSS/Education Appropriations Subcommittee

National Institutes of Health (NIH)

ASU Requests for FY2013 = $30.7 billion  
FY13 President’s Budget Request = $30.7 billion

FY2012 = $30.7B  
FY2010 = $31.168B  
FY2009 = $30.3B

ASU supports the Budget Request at $30.7 billion for NIH. NIH is the nation’s primary agency for supporting biomedical research. The NIH competitively awards grants to scientists at universities across the country including Arizona State University. Over a recent 12 month period, ASU submitted competitive research proposals to HHS/NIH totaling over $361 million. ASU was awarded $56.4 million during that same period. NIH/HHS was the second leading federal source of research funding for ASU during this period just behind NSF. The $30.7B for FY13 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.

Pell Grant Program (Department of Education)

ASU supports for FY2013: $5,635 for the maximum award  
FY13 President’s Budget Request = $5,635 maximum award

FY2012 = $5,550 maximum award.  
FY2010 = $5,550  
FY2009 = $5,350

ASU supports the Administration’s request of $5,635 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 nationally it is anticipated that almost 10 million students to
participate in the program in FY2013. The BR would provide $36.1 billion for Pell ($22.8 billion in discretionary funding and $13.3 billion in mandatory funding). The BR estimates a shortfall in the Pell program of $9.4 billion in FY14. The proposal would eliminate in-school subsidy on subsidized Stafford loans to 150% of normal program length, reducing payments to guarantee agencies in the FFEL program and making changes to the Perkins Loan program.

At Arizona State University roughly 40% of our undergraduate students receive Pell grant support in 2010-2011. Pell grants are very important to ASU and the state of Arizona.

By Congressional District the number of Pell grant awards for year 2010-2011 are: CD 1 = 19,578; CD 2 = 11,580; CD 3 = 35,706; CD 4 = 340,125*; CD 5 = 43,710; CD 6 = 2,542; CD 7 = 38,366; CD 8 = 17,078.

(*CD 4 numbers are huge since it includes all of University of Phoenix)

Teacher Quality Partnership (TQP) (Department of Education)

ASU supports for FY2013: $43 million for TQP
FY13 President’s Budget Request: $75 million for Teacher and Leadership Pathways (which would include TQP)

FY12 funding for TQP = $43 million
FY2011 funding for TQP = $43 million

For FY13 the President’s BR has the Teacher Quality Partnership (TQP) program folded into a new program called the Teacher and Leadership Pathways initiative where it is one of several programs in that line and an overall FY13 BR of $75 million. It is our understanding that TQP would be fully funded if that overall program received $75 million. ASU competitively won the largest TQP award and still has two years left on its five year award. The total amount of the award to ASU is for $33.8 million. ASU is anticipating receiving $6 million in FY13 and $6 million in FY14. This award is funded on a year-to-year basis so it is important that TQP funds be appropriated for FY13. Our TQP award is called “NEXT” which aims to update the curriculum and education of teacher candidates while providing continuing evaluations and educational resources and opportunities for in-service teachers to increase student effectiveness. More than 40 schools in 12 districts around Arizona are currently involved in the NEXT grant.

Student Loan Interest (Department of Education)
ASU supports the budget request’s position of suspending the scheduled increase in the interest rate for subsidized Stafford loans from 3.4% to 6.8% on July 1, 2012. It is estimate that this would save approximately $5.6 billion in college costs for the first year.

Race to the Top and First in World Competition

1) Race to the Top for College Affordability and Completion

The President’s Budget Request includes $1 billion for a program to provide incentives for systematic state reforms that lead to “increased affordability, quality, and productivity.” While specific details are not yet available, states would be rewarded for maintaining a consistent financial commitment to their public higher education institutions; having public colleges and universities that contain the growth in what students pay for college and measure the value in terms of financial returns, time-to-degree, and other outcomes; and using data to drive policy and better align K-12 to college, as well as across colleges through transfer of credit policies.

2) First in the World Competition

The FY13 BR also includes $55 million to enable colleges and nonprofit organizations to develop, validate, or scale up innovative and effective strategies for increasing college access and completion, particularly for minority and low-income students, through an evidence-based competition. The plan includes a $20 million set-aside for minority-serving institutions. The competition would be administered through the Fund for Improvement of Postsecondary Education (FIPSE). The Department of Education does not need Congressional authorization to move forward on this initiative.

ASU Supports funding for the First in the World Competition at $55 million.
Federal Work Study (Department of Education)

ASU supports FY2013 Request: $1.127 billion
FY13 President’s budget request = $1.127 billion

FY2012 = $980 million
FY2010 = $980 million
ARRA = $200 million
FY2009 = $980 million

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. ASU supports level the President’s BR at $1.127B for FY2013. Work Study funding is very important to ASU. In the year 2009-2010 the total amount of work study dollars paid to ASU students was $2.6 million. The Work-Study program provides grants to participating institutions to pay up to 75 percent of the wages of eligible undergraduate and graduate students working part-time to help pay their college costs. The school or other eligible employer provides the balance of the student’s wages. For FY13, campus based aid programs in the President’s proposal would have a new allocation formula. The formula would factor in an institution’s ability to keep their tuition and tuition increases low, enroll and graduate a high number of Pell eligible students, offer work study experiences relevant to students’ studies and provide good value.

Perkins Loans (Department of Education)

The Perkins Loans program provides long-term, low-interest loans to undergraduate and graduate students with demonstrated financial need. In the past roughly 1,700 institutions benefitted from Perkins loans and had total assets of over $8 billion represented by over 40 years of Federal capital contributions, institutional matching funds, repayments on previous loans, and Federal reimbursements for loan cancellations. The President’s FY13 budget Request would re-structure the Perkins Loan program to allow for significantly increased lending authority. The new program would provide $8.5 billion in loan volume annually to support up to 2,700 additional postsecondary institutions.

The new loans would have the same interest rate and loan amounts as unsubsidized Stafford Loans and would accrue interest while students are in school. The Department of Education, rather than institutions, would operate the new loan program, as with the Direct Loan program. Lending authority would be allocated among institutions based on the same revised criteria as other campus-based programs.
Corporation for Public Broadcasting

ASU FY13 Request for CPB = $445 million (this would be for FY15)
President’s Budget FY13 Request = $445 million (this would be for FY14)

FY12: $445 million (for FY14)
FY11: $445 million (in the CR) for FY13
FY10: $445 million (for FY12)
FY09: $430 million (for FY11)

CPB appropriations are for “forward funding.”
The Corporation for Public Broadcasting provides critical support to local public television stations to serve America’s communities on-air, online and on the ground with uniquely high-quality programming and services. By statute, over 70 percent of funds appropriated to CPB reach the stations in the form of Community Service Grants (CSGs). Public television plays a key role in educating our children, keeping Americans healthy, and providing job training. At only $1.35 per person per year, this funding provides an enormous return on investment for all Americans. At ASU, CPB funding provides roughly 18% of KAET Channel 8’s operating budget.
FY13 Energy Appropriations
Programmatic Requests

ASU research funding from the Department of Energy is significant. Over a recent twelve month period ASU had submitted proposals totaling $49 million, had expenditures of $17.6 million, and was awarded $13 million during that time period.

Energy Innovation Hubs

ASU’s FY13 appropriations request for Hubs: $140 million

ASU is supportive of the FY2013 budget request that calls for a total of $140 million to support DOE Energy Innovation Hubs. The hubs are multi-disciplinary cross-agency efforts that are 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. $140 million would continue multi-year funding for the five existing hubs and allow for one new hub which is in an area of ASU expertise. The new hub would be in the area of smart grid technology and systems and would be in the Electricity and Energy Reliability office at DOE. The Electricity Systems Hub will address the grand challenges associated with seamlessly integrating, coordinating and facilitating the modernization of the electric transmission and distribution systems.

The Hub will focus on the seam between transmission and distribution systems, physically manifest as a substation, as the convergence of power flows, information flows, markets and regulations. The Hub will bring together a broad, multidisciplinary group of experts in applied science, technology, economics, and policy, an approach that serves well to address the barriers associated with this “pinch point” of grid modernization. ASU has been funded in the past for our grid-related research and would be a strong competitor if this hub was funded.

ARPA-E

FY13 ASU Request: $350 million
FY13 President’s Budget Request level: $350 million.

FY12: $275 million

ASU supports ARPA-E funding at the FY2013 budget request level of $350 million. ASU has been particularly successful in securing ARPA-E grants and very active in pursuing ARPA-E awards.

To date, ASU has submitted 39 Pre-proposals, has been invited for full submission for 6, and was fortunate to have received two of the 37 awards made in the first round of ARPA-E awards, making it the only university to have received more than one award. These awards total over $10 million. We also have a number of early-stage projects that are consistent with the ARPA-E mission and have been encouraged by program officers to submit proposals. As demonstrated by ASU’s large number of pre-proposal submissions during the first 4 funding rounds, ARPA-E has stimulated large amounts of innovative and creative activity from ASU researchers responding to the program. We were also pleased to host an ARPA-E mini-summit in 2010, which provided an opportunity to contribute to formulation of future planning and program priorities, as well as stimulating numerous interactions between Arizona energy-based companies and ARPA-E senior leadership and program staff.

Specifically, ASU’s ARPA-E awards include a 2 year $5.2M grant that funds research for advances in fuels from sunlight, and another 2 year $5.1M grant which supports the pursuit and advancement of battery technology and energy storage. The fuels from sunlight project helps advance the future of energy by creating a new process for producing fatty acids from cyanobacteria that are then used for producing jet fuel, gasoline, and green diesel fuel. The project will lead to higher efficiency in solar energy conversion to fuel, and provide insight into ways to scale the process so it can impact the production of domestic fuels. The High Energy Batteries award has the potential to dramatically decrease the cost of energy storage through the use of batteries that use advanced ionic liquids. This technology promises to provide low-cost, long range power for all-electronic and hybrid vehicles. Both projects represent a significant boost to ASU’s research portfolio and broader strategic plans going forward.”

Energy Frontier Research Center (EFRC) Program

FY13 ASU Approps Request = $120 million
FY13 President’s Budget Request = $120 million

FY12 EFRC = $100 million

ASU supports the President’s FY2013 budget request for the Office of Science which includes $120 million in funding to expand the Energy Frontier Research Centers (EFRCs) program. ASU has been successful in competing for EFRCs in the past. We won a $14 million grant to establish an EFRC for Bio-Inspired Solar Fuel production. Funding at this level 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.

Department of Energy (DOE) Office of Science

The FY2013 President’s budget request calls for $4.99 billion for the Office of Science. ASU supports this funding level which 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.

Energy Efficiency and Renewable Energy (EERE)

ASU supports funding of EERE at: $2.337 billion
FY13 President’s Budget Request for EERE: $2.337 billion

FY12 EERE: $1.8 billion
FY11 EERE: $1.77 billion

ASU supports EERE funding at the FY2013 budget request level of $2.337B. ASU is committed to translating basic scientific breakthroughs into commercial products that results in meeting the energy reductions goals. The Office of Energy Efficiency and Renewable Energy (EERE) supports clean energy research, development, demonstration, and deployment activities on technologies and practices that helps meet national security, environmental, and economic goals. EERE-supported technologies further these goals by reducing dependence on oil, minimizing the emissions associated with energy production and use, and stimulating economic growth and job creation in the US
through the reduction of energy costs and investment in next generation renewable energy and manufacturing. The EERE portfolio emphasizes work areas where the potential impact is largest, and where federal funds are most critical. It balances investments in high-risk early-stage research with partnerships with private firms that speed the translation of innovations into practical business opportunities. The diverse set of technologies supported by EERE helps ensure that the US has many options for meeting its energy goals. Program management is designed to identify the best groups in the country to address these challenges and supports work in universities, companies, national laboratories, and consortia.
Priorities for the FY13
DoD Appropriations Subcommittee

ASU has two items we urge your support for in the FY13 DoD appropriations cycle. The first is support for the U.S. Army’s Flexible Display Center located at ASU. And the second is support for basic research at DoD referred to as 6.1 funding.

Flexible Display Center

ASU requests continued support for the ongoing appropriations for the U.S. Army’s Flexible Display Center located at ASU. It is not an earmark. The Army’s Flexible Display Center was competitively awarded and funding is again included in the FY2013 President’s budget request.

Background
The U.S. Army competitively awarded the Flexible Display Center at ASU in February 2004 to spearhead the next revolution in information displays. The Center is a partnership where academia, industry, and government collaborate on rapid technology development, innovation and integration to create a new generation of innovative displays that will be flexible, lightweight, low power, and rugged. These revolutionary displays will usher in a new era of powerful real-time information sharing through ubiquitous commercial and military application in everything from portable pocket-held and vehicle-mounted devices to permanent and temporary conferencing/command rooms. The work is consistent with the Director, Defense Research and Engineering Strategic Plan, the Army modernization strategy, and the Army Science and Technology Master Plan.


Budget Detail
There are two PE funding streams for the Army’s Flexible Display Center located at Arizona State University. We urge support for the FY13 Budget Request for the below lines:

a) One line in the FY13 Budget Request is for $6.629 million for the Flexible Display Center (FDC). As found in Volume BA 2, page 136, R-1 Line item #18: PE 0602705A Electronics and Electronic Devices. H17: Flexible Display Center.

b) Another line that includes some funding for the Flexible Display Center is found in in BA 7, page 339, R-1 Line #188 in the End Item Industrial Preparedness Activities section,
E25 the Manufacturing Science and Technology Section. Command, Control and Communications Systems contains multiple directives and is funded at $20.465 million. The PE 708045A would involve FDC. The exact amount from this line that would be for the FDC is not spelled out in the BR, but we anticipate a part of the $20.465 million would be for the FDC.

DoD Research

1) 6.1 Research

FY2013 Request: $2.117 billion

FY2012 = $2.08B  
FY2010 = $1.82B  
FY2009 = $1.8B

The 6.1 portion of the DoD budget includes all basic research programs funded under the Office of the Secretary of Defense and basic research at DARPA, also known as Defense-wide, as well those supported by the respective military services: the Navy, Army, and Air Force. Basic research represents 17.9 percent of the total proposed FY13 budget for Defense S&T.
Programmatic Priorities for
FY13 Commerce/Justice/Science appropriations subcommittee

National Science Foundation

ASU Requests for NSF for FY2013: $ 7.4 Billion
FY13 President’s Budget Request = $ 7.4 Billion

FY2012 = $7.033B
FY2011 = 6.860 B
FY2010 = $6.926 B
FY2009 = $6.49 B

ASU supports a request of $7.4 billion for FY2013 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 ASU. In the past 12 months, ASU has submitted proposals to NSF totaling over $280 million. We have been awarded over that same period about $60 million from NSF. During that period of time it was the largest source of research dollars for ASU. 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.
NASA

NASA is an important funding agency for ASU. In a recent 12 month period, ASU submitted proposals totaling about $46 million and received roughly $18.5 million in awards over that same period. Areas that are of particular interest to ASU stretch across NASA’s portfolio.

1) Earth Science
In Earth Science, ASU is supportive of the President’s budget request. We are becoming more competitive in this area of NASA’s budget.

FY13 ASU Request = $1.785 B
FY13 Pres BR = $1.785 B
FY12 = $1.761
FY11 = $1.721

2) Planetary Science
In the area of Planetary Science we have interests in OSIRIS-Rex and the Mars Science Laboratory that are included in the FY13 budget request. We have concerns with cuts in other areas of Planetary Science such as the Mars Sample Return Missions and Outer Solar Systems missions. It remains to be seen how much the draconian cuts in the President's budget would reduce operational funding of on-going missions (e.g., the Lunar Reconnaissance Orbiter Camera, Mars Exploration Rovers, and Mars Reconnaissance Orbiter), but this could have an enormous impact on ASU funding.

2) Education
In the area of NASA’s education budget we are very concerned with the huge cut and urge Congress to reinstate some of that cut. ASU is very competitive in this area. To go from $180 million in FY2010 to $100 million in FY13 is too big a reduction. ASU supports an appropriation of $138 million which would be level funding from FY2012. ASU is a national leader in the area of NASA education.

FY13 ASU Request = $138M
FY13 President’s Budget Request = $100M

FY2012 = $138M
FY2010= $180M
FY2009=$169M
4) JWST
We are supportive of the component of the Astrophysics budget that funds the James Webb Space Telescope (JWST). Cuts to the rest of the Astrophysics budget unfortunately reflect some of the cost overruns on JWST.

5) International Space Station
ASU is very active in pursuing research on the International Space Station. Our work particularly in the area micro-gravity-based R&D is highly competitive. We support the President’s budget request for the ISS.

ASU FY13 Budget Request = $3.008B
FY13 President’s BR = $3.008B

FY12 = 2.830B
FY11 = 2.714B

6) Exploration Research and Development
We are supportive of NASA’s Exploration Research and Development budget. This is another promising area for ASU and was the original funding source for our largest NASA project, which is the Lunar Reconnaissance Orbiter Camera.

ASU FY13 appropriations request= $333.7 million
FY13 President’s BR = $333.7 million

FY12 = $299.7 million
FY11 = $232.3 million

NIST -- National Institute on Standards and Technology (NIST)

1) Technology Innovation Program (TIP)

President’s Budget Request for FY2013 = $860M
ASU supports funding the TIP program at $860M
1) Advanced Manufacturing Technology Consortia program

President’s Budget Request for FY13 = $21M
ASU supports funding the AMTC program at $21M

The new Advanced Manufacturing Technology Consortia program is a public-private partnership that will support road maps and research to address common manufacturing challenges faced by private sector businesses.

2) Economic Development Administration Regional Innovation Program (Growth Zones)

ASU Request for Growth Zones for FY13 = $25M
President’s Budget Request level for this new program for FY13 = $25M

ASU supports a funding level of $25M 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.