UNIVERSITY OF CALIFORNIA

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March 24, 2017

California Congressional Delegation

Dear Members of Congress:

As Congress begins work on appropriations for Fiscal Year (FY) 2018, the University of California (UC) urges your full support for federal programs that are critical to the University's ability to successfully carry out its education, research, health care, and public service missions.

UC is the largest public research university system in the world and, in partnership with the federal government, is an engine for economic growth and innovation for California and the nation. The University is very concerned that President Trump's recently released FY 2018 Budget Blueprint proposes significant disinvestments in education and scientific, technological, and medical research that will stifle crucial advancements toward solving our nation's most pressing needs and challenges. The University strongly urges Congress to make the critical investments in federal programs that will help us ensure that UC continues to provide a world-class education to the next-generation workforce, pursues groundbreaking research to address some of the biggest scientific and technological challenges of our time and delivers cutting-edge medical education and health care services.

The attached document outlines the University's FY 2018 federal appropriations priorities.

After two years of partial relief enacted under the Bipartisan Budget Act of 2015, the full impact of the lower Budget Control Act sequestration caps returns for FY 2018. The University is concerned that if the caps are not raised, non-defense discretionary programs – where most federal research and higher education is funded – could decline to the lowest percent of the Gross Domestic Product in more than 50 years.

While the attached document includes the full range of UC's FY 2018 appropriations priorities, I would like to call your attention to the following areas that are of specific importance to the University of California:

- **Pell Grant Program:** UC supports strong and sustained funding – with the current combination of discretionary and mandatory funds – to maintain the scheduled FY 2018 maximum Pell Grant award, restore year-round Pell and keep the program on solid footing in future years. UC enrolls a higher percentage of Pell Grant recipients than any other top research university in the country and four UC campuses each enroll more low-income students than the Ivy League institutions combined. Pell

Grants are an integral part of the financial aid packages UC offers to its students and, importantly, Pell Grant recipients graduate at comparable rates to non-Pell recipients.

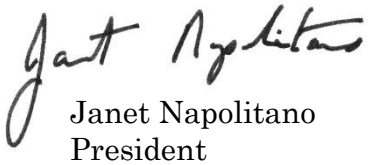
- **Basic and Applied Research:** The University supports robust and sustained funding for research, especially at the National Institutes of Health; the National Science Foundation; the Departments of Defense, Energy and Agriculture; NASA; and the National Oceanographic and Atmospheric Administration. UC researchers are well positioned to compete for competitive grants across the full spectrum of research programs – from cancer, precision medicine, and the Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative to agriculture, energy, the environment, national security, and advanced manufacturing.

- **Public Health Services**: With five nationally acclaimed UC medical centers – and serving as the fourth-largest health care delivery system in California – the University depends on robust federal investment in public health and prevention. Continued funding for these programs through the Centers for Disease Control and Prevention and the Health Resources and Services Administration, among others, allows UC to continue to treat the sickest patients and to serve as a vital safety net for all Californians, especially for vulnerable populations.

Thank you for your continued support of the University of California. The priorities outlined in the attached document are listed by appropriations subcommittee for your consideration. In addition, the document is available online at www.ucop.edu/federal-governmental-relations/federal-budget.

If you have any questions, please do not hesitate to contact me or UC Associate Vice President for Federal Governmental Relations Gary Falle. He can be reached at (202) 974-6319 or by email at Gary.Falle@ucdc.edu.

Yours very truly,



Janet Napolitano
President

Enclosure

cc: Provost Aimée Dorr
Senior Vice President Nelson Peacock
Associate Vice President Gary Falle

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University of California Fiscal Year 2018 Appropriations Priorities

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SUBCOMMITTEE ON AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION, AND RELATED AGENCIES

DEPARTMENT OF AGRICULTURE (USDA), NATIONAL INSTITUTE OF FOOD AND AGRICULTURE (NIFA)

The University of California (UC) supports the highest possible funding levels for USDA Research, Education and Extension Programs that enable UC's partnership with California's agricultural producers to ensure a safe, secure and plentiful supply of food and energy, as well as clean and sustainable air, water and other natural resources. USDA funding also supports UC's effective nutrition education efforts throughout California. Programs vital to UC include:

Agriculture and Food Research Initiative (AFRI)

UC Request:	$418 million
FY 2017 House:	$375 million
FY 2017 Senate:	$375 million
FY 2016 Enacted:	$350 million

UC supports $418 million for the Agriculture and Food Research Initiative (AFRI), which funds competitive research on human nutrition and health, agricultural productivity and sustainability, renewable energy and biofuels, water supply, and air and water quality. As of February 2017, UC has 97 active AFRI projects, totaling $106 million in competitively awarded funding to find cutting edge solutions for high-priority issues affecting California's rural and urban communities.

USDA Capacity Grants programs – Hatch Act, Smith-Lever 3(b)-3(c) and McIntire-Stennis Cooperative Forestry

	Hatch Act	Smith-Lever 3(b)-3(c)	McIntire-Stennis
UC Request:	$291 million	$358 million	$40.6 million
FY 2017 House:	$244 million	$300 million	$34 million
FY 2017 Senate:	$244 million	$300 million	$34 million
FY 2016 Enacted:	$244 million	$300 million	$34 million

UC supports the requested funding levels above for the Hatch, Smith-Lever 3(b)-3(c) and McIntire-Stennis capacity grant programs, which are crucial to UC's agricultural research and extension work across every county in California. The programs enable UC to support California agricultural producers by improving varietal development, production efficiencies, cropping methods and conservation practices.

USDA Crop Protection/Pest Management (CP/PM) and Minor Crop Pest Management (IR-4)

	CP/PM	IR-4
UC Request:	$20.2 million	$12 million
FY 2017 House:	$17.2 million	$12 million
FY 2017 Senate:	$20 million	$12 million
FY 2016 Enacted:	$17.2 million	$12 million

UC supports $32.2 million for these USDA pest management programs, including research, extension and integrated activities. The programs support UC's statewide Integrated Pest Management (IPM) program, which develops and promotes the use of ecologically sound programs to solve pest problems while protecting California's agricultural crops.

Expanded Food and Nutrition Education Program (EFNEP)

UC Request:	$68 million
FY 2017 House:	$68 million
FY 2017 Senate:	$68 million
FY 2016 Enacted:	$68 million

UC supports $68 million for the Expanded Food and Nutrition Education Program (EFNEP), through which UC delivers hands-on, practical lessons on food, nutrition and healthy lifestyles to needy families. National studies show that for every $1 invested in this Cooperative Extension program, up to $10.64 is saved in current and future health care costs for "at risk" populations.

SUBCOMMITTEE ON COMMERCE, JUSTICE, SCIENCE AND RELATED AGENCIES

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)

NASA Science Mission Directorate

UC Request:	$5.91 billion
FY 2017 House:	$5.6 billion
FY 2017 Senate:	$5.4 billion
FY 2016 Enacted:	$5.59 billion

UC supports $5.91 billion for the NASA Science Mission Directorate, which funds research on the Earth, our solar system and the universe. UC researchers are highly successful in competing for NASA research awards, further enabling them to be international leaders in astronomy, earth and space sciences.

NASA Space Technology Programs

UC Request:	$796 million
FY 2017 House:	$739 million
FY 2017 Senate:	$687 million
FY 2016 Enacted:	$687 million

UC supports $796 million for NASA Space Technology programs, including innovation initiatives such as the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs. Under these programs, UC and other academic institutions partner with NASA and other stakeholders to research and rapidly develop new space technologies.

Space Grant College and Fellowship Program

UC Request:	$45 million
FY 2017 House:	$40 million
FY 2017 Senate:	$40 million
FY 2016 Enacted:	$40 million

UC supports $45 million for the Space Grant College and Fellowship Program, a national network that gives students practical hands-on training in support of NASA's aeronautics and space missions, and inspires them to pursue science, technology, engineering and mathematics (STEM) careers. Headquartered at UC San Diego, the California Space Grant Consortium engages 28 California affiliates, including nine UC campuses, 10 California State University campuses, three NASA centers and other universities.

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NATIONAL SCIENCE FOUNDATION (NSF)

UC Request:	$8 billion
FY 2017 House:	$7.41 billion
FY 2017 Senate:	$7.51 billion
FY 2016 Enacted:	$7.46 billion

UC supports $8 billion for National Science Foundation (NSF) programs supporting merit-reviewed, fundamental research across all areas of science, engineering and education in NSF's seven research directorates and in cross-cutting research programs, including:

- Geosciences (GEO) – NSF's GEO research directorate addresses critical earth, oceans and atmospheric processes that impact our economic and national security;
- Social, Behavioral and Economics (SBE) – multidisciplinary research promoting understanding of people through the study of human behavior and societal questions and problems;
- Understanding the Brain (UtB) – cognitive and neuroscience research enabling understanding of brain complexity, developing tools to assist in this research and training future neuro-engineers;
- Advanced Manufacturing – cutting-edge tools and techniques that will transform the fields of bioengineering, cyber-manufacturing, nanosystems design, and clean energy development; and
- Innovations at the Nexus of Food, Energy and Water Systems (INFEWS) – interdisciplinary research looking at the interconnections between these critical resource systems.

NSF sponsors about 20 percent of all merit-based university research across every discipline and helps to train and educate the next generation of scientific and engineering workforce. California researchers compete well for NSF funding; UC consistently earns 2-3 times more NSF support than other university systems. In FY 2016, UC was awarded $497 million for more than 1,400 NSF grants.

NSF programs achieve excellence in science, technology, engineering and mathematics (STEM) at all levels – including graduate and undergraduate education – contributing to a well-trained workforce and the health, prosperity and security of California and the nation. Among them, the **Graduate Research Fellowship Program (GRFP)** provides critical support for the nation's top graduate students' research studies. In 2016, 273 graduate students from eight UC campuses were among 2,000 people to earn prestigious GRFP fellowships.

DEPARTMENT OF COMMERCE, NATIONAL OCEANOGRAPHIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

UC supports the highest possible funding levels for extramural NOAA research programs on climate, weather, water and ocean observing, including:

Office of Oceanic and Atmospheric Research (OAR)

UC Request:	$520 million
FY 2017 House:	$436 million
FY 2017 Senate:	$452 million
FY 2016 Enacted:	$482 million

UC supports $520 million for OAR research programs. UC researchers rely on NOAA competitive research funding for the collection of climate, weather and water data, including ocean observing for accurate weather forecasting, which is essential to California agriculture, energy and fisheries. UC also contributes to national priorities for world-class weather, atmospheric, water and drought research and

observations that are vital for effective disaster preparedness, as well as the mission needs of the U.S. Navy, NASA and other federal agencies. Within OAR, UC supports **$189.9 million for OAR Climate Research programs, including the Competitive Research Program ($66.25 million), the Regional Climate Data and Information Program ($52.7 million), the Laboratories and Cooperative Institutes ($70.9 million) and Sustained Ocean Observations and Monitoring ($56.6 million).** Historically, UC receives about 10 percent of this funding annually. This account funds the **National Integrated Drought Information System (NIDIS)** and the **Regional Integrated Sciences and Assessments (RISA)** programs, which provide dynamic and accessible drought information for the nation, and support research teams that work with public and private users to build our capacity to prepare for and adapt to environmental variability and change.

National Sea Grant College Program, OAR

UC Request:	$80 million
FY 2017 House:	$64 million
FY 2017 Senate:	$64 million
FY 2016 Enacted:	$73 million

UC supports $80 million for the National Sea Grant College Program, a university-based coastal and marine research network, which facilitates knowledge transfer from researchers to the marine industry and the public. Based at the UC San Diego Scripps Institution of Oceanography, California's Sea Grant Program sponsors research and extension activities involving public and private institutions throughout the state.

Regional Integrated Ocean Observing System (IOOS) in the National Ocean Service

UC Request:	$33.9 million
FY 2017 House:	$31.5 million
FY 2017 Senate:	$31.5 million
FY 2016 Enacted:	$29.5 million

UC supports $33.9 million for the Regional Integrated Ocean Observing System (IOOS), including $10 million for marine sensor innovation grants. IOOS involves 17 federal agencies and a national network that provide new tools and forecasts for maritime commerce, fisheries, aquaculture, offshore energy, coastal communities, public health and other users' needs. UC is active in two systems, the Central and Northern California Ocean Observing System (CeNCOOS) and the Southern California Coastal Ocean Observing System (SCCOOS).

SUBCOMMITTEE ON DEFENSE

DEPARTMENT OF DEFENSE (DOD)

Basic Research (6.1)

UC Request:	$2.367 billion
FY 2017 House:	$2.276 billion
FY 2017 Senate:	$2.265 billion
FY 2016 Enacted:	$2.31 billion

UC supports $2.367 billion for Defense 6.1 Basic Research within a total request of $14.571 billion for the Defense Science and Technology (6.1-6.3) research and development portfolio. This ratio will help to ensure a balanced research and development pipeline that is vital to our national security.

Conducted by the Army, Navy, Air Force and the Office of the Secretary, Defense Basic (6.1) and Applied (6.2) research programs fund the largest share of DOD-sponsored university research, especially in the physical and computer sciences and engineering. The UC research partnership with DOD spans more than 50 years and has led to a wide range of technological innovations, including new advanced materials, communications and computing, and life-saving medical discoveries and technologies.

Within the Defense Science and Technology portfolio, **UC supports:**

- **$3 billion for the Defense Advanced Research Projects Agency (DARPA)**, which invests in high-risk, high-reward research to develop breakthrough military capabilities;
- **$112.3 million for Army University and Research Centers** (PE 0601104A), including **$6.73 million for the Army University Affiliated Research Center (UARC) – the Institute of Collaborative Biotechnologies** – at UC Santa Barbara;
- **Robust funding for Navy Defense Research Science Programs** (PE 0601153N), **Future Naval Capabilities Advanced Technology** and for **Navy University Research Initiatives, including an increase of $20 million for the Defense University Research Instrumentation Program (DURIP)** (PE 0601103N);
- Funding to complete improvements to the **Navy Service Life Extension Program (SLEP) for Auxiliary General Purpose Oceanographic Research (AGOR) 23 class vessels** – to extend their life from 30 to 45 years (PE 0602435N); and
- **Funding for ongoing and new DOD advanced manufacturing innovation institutes**.

Defense Basic Research accounts also support education and training for students who will become DOD's future scientific and technological workforce. UC supports the highest possible funding levels for the **National Defense Education Program and the National Defense Science and Engineering Graduate Fellowships program.** UC researchers also provide vital information through the social science research **Minerva Initiative**, which deepens our understanding of the cultural and political conditions in areas of the world of strategic importance to our national security.

SUBCOMMITTEE ON ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES

DEPARTMENT OF ENERGY (DOE)

Office of Science

UC Request:	$5.67 billion
FY 2017 House:	$5.4 billion
FY 2017 Senate:	$5.4 billion
FY 2016 Enacted:	$5.35 billion

UC supports $5.67 billion for the DOE Office of Science (OS), the primary federal agency supporting basic physical sciences research. OS research at UC includes: basic energy sciences, advanced energy sources, energy efficiency technologies, biological and environmental research, high performance scientific computing, new materials, engineering and STEM education and fellowship programs. UC researchers also collaborate at DOE's 17 world-class national laboratories with access to the largest collection of major scientific user facilities in the world. Collectively, these facilities serve over 32,000 university researchers, students and industry scientists every year.

UC also supports scientific infrastructure investments that are fundamental to U.S. innovation leadership, including funding to keep the upgrade of the **Lawrence Berkeley National Laboratory (Berkeley Lab) Advanced Light Source** on schedule. Berkeley Lab's **National Energy Research Scientific Computing Center and the Energy Sciences Network** play vital roles in the nation's high performance computing and advanced computing networking ecosystem. In addition, Berkeley Lab plant and research infrastructure renewals are important investments needed to maintain current capabilities, including construction of an integrative genomics building and remediation of the Old Town site.

UC urges continued OS investments in the **Energy Frontier Research Centers** – research partnerships focused on grand challenges and use-inspired basic research – and the OS **Energy Innovation Hubs** – centers that combine basic and applied research with engineering to accelerate scientific discovery on critical energy issues. These programs support multidisciplinary collaborations that enable UC faculty and students to work with federal laboratories and industry scientists.

Advanced Research Projects Agency-Energy (ARPA-E)

UC Request:	$341 million
FY 2017 House:	$306 million
FY 2017 Senate:	$325 million
FY 2016 Enacted:	$291 million

UC supports $341 million for ARPA-E, which funds technology concepts with potential to radically transform the energy sector, but are too early in development to attract private-sector investments. In less than a decade, ARPA-E has invested in more than 400 projects, leading to the creation of new companies and attracting more than $1.25 billion in follow-on private sector investment. UC researchers are among the most successful ARPA-E awardees.

UC also supports a broad array of programs funded by the **Office of Energy Efficiency and Renewable Energy (EERE)** that research, develop, demonstrate and deploy clean energy technologies, including funding for the **Advanced Manufacturing Office** and its recently-awarded institutes within the **National Network for Manufacturing Innovation (NNMIs)**. In addition, UC supports ongoing efforts to integrate DOE program office research and technology investments with work across the federal government on data modeling, analysis and policy responses that could help address urgent issues related to the interconnections between our energy and water systems in the U.S. – the "energy-water nexus."

SUBCOMMITTEE ON HOMELAND SECURITY

DEPARTMENT OF HOMELAND SECURITY (DHS)

Research, Development and Innovation, Science and Technology Directorate

UC Request:	$454.8 million
FY 2017 House:	$437 million
FY 2017 Senate:	$439 million
FY 2016 Enacted:	$454.8 million

University Programs, Science and Technology Directorate

UC Request:	$41.6 million
FY 2017 House:	$41.6 million
FY 2017 Senate:	$40.5 million
FY 2016 Enacted:	$41.6 million

UC supports $454.8 million for Research Development and Innovation programs and $41.6 million for University Programs within the DHS Science and Technology (S&T) Directorate. The S&T Directorate funds basic and applied research to develop advanced technologies and methodologies to protect the nation's communities, ports, coasts, food supplies, borders and infrastructure. UC researchers have successfully competed for research grants on nuclear detection, food system protection, public health assessment and first responder safety. University Programs support collaborative, multi-disciplinary research at universities across the country that contribute to prevention and response to homeland security threats, as well as STEM education programs.

SUBCOMMITTEE ON THE INTERIOR, ENVIRONMENT AND RELATED AGENCIES

DEPARTMENT OF INTERIOR, U.S. GEOLOGICAL SURVEY (USGS)

USGS Earthquake Hazards Program

UC Request:	$70.1 million
FY 2017 House:	$63.3 million
FY 2017 Senate:	$63 million
FY 2016 Enacted:	$60.5 million

USGS Global Seismographic Network

UC Request:	$7.32 million
FY 2017 House:	$6.65 million
FY 2017 Senate:	$6.45 million
FY 2016 Enacted:	$6.45 million

UC supports $70.1 million for the USGS Earthquake Hazards Program (EHP) and $7.32 million for the Global Seismographic Network (GSN). Within the EHP program, **UC requests funding to fully develop and operate the West Coast earthquake early warning system.** UC scientists are also working to improve capabilities of the Central and Eastern United States Network (CEUSN). Effective earthquake preparedness and monitoring tools are critical to public safety in California and the nation. Researchers at UC and other California universities contribute greatly to the study and analysis of these Earth processes.

USGS Water Resources Research Institutes, Water Resources Research Program

UC Request:	$9 million
FY 2017 House:	$6.5 million
FY 2017 Senate:	$6.5 million
FY 2016 Enacted:	$6.5 million

UC supports $9 million for the USGS State Water Resources Research Institute (WRRI) Program, which is the only federally supported, national network for applied water resource research, education, training and outreach. UC operates the California Institute for Water Resources (CIWR), which supports researchers in developing solutions to costly and difficult water problems in California. With the ongoing drought, CIWR is actively engaged in providing information and resources to California producers, consumers, businesses, and state and local governments. CIWR maintains a website that is updated daily with flood- and drought-related information.

NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)

UC Request:	$155 million
FY 2017 House:	$149.8 million
FY 2017 Senate:	$148.4 million
FY 2016 Enacted:	$147.9 million

UC supports $155 million for the National Endowment for the Humanities (NEH), which would provide critical support to the only federal agency dedicated to promoting and enhancing research, education and public programs in the humanities. UC researchers and scholars compete for NEH funds to strengthen teaching and learning; create new knowledge through extensive, in-depth study; and preserve and protect cultural and educational treasures. Many NEH-funded projects benefit students and the public by providing access to humanities programming and resources that would otherwise not be available in many communities.

ENVIRONMENTAL PROTECTION AGENCY (EPA)

EPA, Office of Science and Technology

UC Request:	$754 million
FY 2017 House:	$720 million
FY 2017 Senate:	$696 million
FY 2016 Enacted:	$735 million

UC supports $754 million for EPA Science and Technology programs to protect human health and the environment. EPA's research programs – Air, Climate and Energy (ACE), Safe and Sustainable Water Resources (SSWR), Sustainable and Healthy Communities (SHC) and Chemical Safety for Sustainability (CSS) – fund foundational science related to chemical safety, land restoration, air and water pollution prevention and national security. UC researchers have current EPA research grants on issues such as nutrient transport in groundwater, the future use of pesticides in warming environments and environmental risks to children's health.

SUBCOMMITTEE ON LABOR, HEALTH AND HUMAN SERVICES, EDUCATION AND RELATED AGENCIES

DEPARTMENT OF EDUCATION (ED)

Pell Grant Discretionary Appropriations

UC Request:	$22.48 billion
FY 2017 House:	$21.17 billion
FY 2017 Senate:	$22.48 billion
FY 2016 Enacted:	$22.48 billion

Pell Grant Maximum Award

UC Request:	$5,920
FY 2017 House:	$5,935
FY 2017 Senate:	$5,935
FY 2016 Enacted:	$5,815

UC supports $22.48 billion in discretionary appropriations for the Pell Grant Program to provide a "base" award of $4,860. With the mandatory funding add-on of $1,060, the maximum Pell Grant award in FY 2018 will be $5,920.

In addition, UC supports funding to benefit low-income students by:

- Restoring year-round Pell Grants;
- Providing a "Bonus Pell" to students who accelerate their time-to-degree; and
- Rewarding colleges that successfully enroll and graduate low-income students.

Nearly 80,000 UC undergraduate students currently receive Pell Grants, which is a critical base for the state and institutional aid UC students also receive. Currently, California residents with family incomes of up to $80,000 receive aid that covers their tuition and nearly two-thirds of UC undergraduates receive grant assistance that also allows them to cover part of the cost of food, housing and other expenses. All UC students are expected to contribute to their own cost of education with loans and earnings from work or savings. Without robust funding for Pell Grants, UC students would have to borrow more, work beyond what is considered manageable or take longer to complete their degrees.

Supplemental Educational Opportunity Grant (SEOG)

UC Request:	$757 million
FY 2017 House:	$733.13 million
FY 2017 Senate:	$733.13 million
FY 2016 Enacted:	$733 million

Federal Work-Study

UC Request:	$990 million
FY 2017 House:	$990 million
FY 2017 Senate:	$990 million
FY 2016 Enacted:	$990 million

UC supports $757 million for the Supplemental Educational Opportunity Grant (SEOG) program and $990 million for the Federal Work-Study (FWS) program. These campus-based programs are essential to the network of federal, state and institutional support that ensures access to a UC education for students from a broad range of income levels. There is significant demonstrated need for strong and sustained funding for these programs.

Federal Perkins Loan Program

UC supports $250 million for Federal Perkins Loan cancellations. These funds, at a minimum, should be appropriated to reimburse campuses for loan cancellations made when borrowers complete service, as required in the law. At the present time, the cumulative reimbursable cancellations owed to UC campuses by ED totals more than $22 million.

Student Loans

UC supports strong and sustained efforts to keep the cost of student loans manageable in the Stafford Loan Program, and to ensure that the federal government can provide borrowers with the essential services they need. UC also supports the restoration of federal loan subsidies for graduate students. Proposals that provide relief to needy students are the basis of the federal investment in federal student aid, and efforts to reform and streamline loan repayment plans and improve program effectiveness will benefit the borrowers and the federal government.

UC supports $1.6 billion for administration of the federal student aid programs. Sufficient funds are needed for the Student Aid Administration to cover expected growth in loan servicing costs, and to bolster

ED's ability to take enhanced enforcement actions against high-risk institutions participating in Title IV programs.

TRIO Programs

UC Request:	$980 million
FY 2017 House:	$960 million
FY 2017 Senate:	$900 million
FY 2016 Enacted:	$900 million

GEAR UP

UC Request:	$350 million
FY 2017 House:	$344.75 million
FY 2017 Senate:	$322.8 million
FY 2016 Enacted:	$322.8 million

UC supports $980 million for TRIO and $350 million for GEAR UP Programs. These complementary and successful early intervention and academic preparation programs only reach a small fraction of eligible students. Further, TRIO's Student Support Services program is specifically targeted to help low-income, first-generation students with undergraduate retention, transfer and completion success. After facing serious funding cuts over the past several years, funding for these programs should be increased.

Aid for Hispanic-Serving Institutions (HSIs) – Title V

Part A – Strengthening Hispanic-Serving Institutions

UC Request:	$117.5 million
FY 2017 House:	$107.8 million
FY 2017 Senate:	$107.8 million
FY 2016 Enacted:	$107.8 million

Part B – Promoting Postbaccalaureate Opportunities for Hispanic Americans

UC Request:	$20 million
FY 2017 House:	$9.7 million
FY 2017 Senate:	$9.7 million
FY 2016 Enacted:	$9.7 million

UC supports $117.5 million for Title V, Part A, competitive grants to help Hispanic-Serving Institutions (HSIs) expand and enhance their undergraduate academic programs. **UC also supports $20 million for Title V, Part B,** which promotes postbaccalaureate opportunities for Hispanic Americans designed to help them succeed in graduate school. UC has several campuses that serve large percentages of Hispanic students and would be eligible to apply for these funds.

Teacher Preparation and Teacher Quality Programs

UC supports $2.35 billion for Supporting Effective Instruction State Grants authorized in Title II of the newly reauthorized Elementary and Secondary Education Act (ESEA) and $43.1 million in Teacher Quality Partnership (TQP) Grants. These funds improve teacher preparation programs and help recruit and retain high quality K-12 teachers. UC also supports robust funding for U.S. Department of Education programs to promote teacher quality, spark improvements in computer science instruction, promote preparation of STEM education teachers, support school leader training, enhance professional development and advance innovations in teaching and learning.

Title VI International Education Programs

UC Request:	$78.5 million
FY 2017 House:	$72.2 million
FY 2017 Senate:	$67.3 million
FY 2016 Enacted:	$72.2 million

UC supports $78.5 million for Title VI International Education programs. At UC, Title VI supports research and expertise through National Resource Centers, which are important tools in serving the nation's economic, diplomatic, defense and national security needs. Title VI funding has suffered significant cuts in the past several years, yet additional Title VI funds are especially needed in our nation's increasingly global economy to ensure a steady pipeline of individuals with global understanding and language proficiency across professions.

Graduate Assistance in Areas of National Need (GAANN)

UC Request:	$31 million
FY 2017 House:	$0
FY 2017 Senate:	$29.3 million
FY 2016 Enacted:	$29.3 million

UC supports $31 million for graduate education in the Department of Education to drive excellence and innovation in business, science, academia and government. The continued erosion of federal graduate fellowship support over the past several years, including the elimination of the Jacob K. Javits Program, which awarded highly competitive fellowships to students pursuing graduate degrees in social sciences, arts and humanities has been devastating to the talented scholars who need this support. A stronger national commitment to graduate education is needed to assure a continued pipeline of skilled workers in all sectors of the economy, as well as qualified professors who will mentor and train the teachers and students of tomorrow.

Institute of Education Sciences (IES)

UC Request:	$670 million
FY 2017 House:	$536 million
FY 2017 Senate:	$612.5 million
FY 2016 Enacted:	$618 million

UC supports $670 million for the Institute of Education Sciences (IES) programs. The University is a major innovator in educational research and is continuously working to increase the knowledge base on teacher effectiveness and the science of learning, while working in K-12 schools to improve the quality of educational practice. UC researchers use competitive funds from IES to address the nation's most pressing education needs, from early childhood to adult education, including increasing the number and quality of math and science teachers, teacher evaluations and the creation of successful professional development models.

DEPARTMENT OF HEALTH AND HUMAN SERVICES, NATIONAL INSTITUTES OF HEALTH (NIH)

National Institutes of Health

UC Request:	$34.1 billion, or $2 billion above the FY 2017 enacted level
FY 2017 House:	$33.3 billion
FY 2017 Senate:	$34.1 billion
FY 2016 Enacted:	$32.1 billion

UC supports the highest possible funding for the National Institutes of Health (NIH) – at $34.1 billion, or $2 billion above the FY 2017 enacted level. This funding should be separate from, and in addition to, the 21st Century Cures Act multi-year funding that was enacted in December 2016.

The request represents 6 percent growth for NIH, which allows the agency to continue to drive progress in breakthrough science on cancer, the brain, precision medicine and to achieve life-saving cures and treatments for chronic illnesses and life-threatening diseases. NIH research funding also enables California's biomedical research industry to remain a global innovation leader, and supports hundreds of thousands of good jobs and economic growth in California and the nation.

In FY 2016, UC researchers successfully competed for roughly $1.8 billion in NIH research awards, nearly half of the amount awarded to all California research institutions.

DEPARTMENT OF HEALTH AND HUMAN SERVICES, HEALTH RESOURCES AND SERVICES ADMINISTRATION (HRSA)

Title VII Health Professions Training

UC Request:	$336 million
FY 2017 House:	$294 million
FY 2017 Senate:	$297 million
FY 2016 Enacted:	$262 million

UC supports $336 million for the Health Resources and Services Administration (HRSA) Title VII Health Professions Training Programs. UC operates the largest health sciences and medical training program in the country with more than 14,000 students.

The Title VII medical education training and loan programs are critical sources of financial support for many UC students and physician faculty as they are the only federal programs designed to educate providers in interdisciplinary settings to meet the needs of special and underserved populations, as well as increase minority representation in California's healthcare workforce. In FY 2016, UC successfully competed for $10.3 million in Title VII funding.

As Congress considers strategies designed to address workforce development, UC supports restoring and increasing Title VII funding to $336 million, including $56 million for the Behavioral Health Workforce Education and Training Program (BHWET).

Title VIII Nursing Workforce Development

UC Request:	$244 million
FY 2017 House:	$229 million
FY 2017 Senate:	$229 million
FY 2016 Enacted:	$229 million

UC supports $244 million for the Health Resources and Services Administration (HRSA) Title VIII Nursing Workforce Development Programs, which provide training for entry-level and advanced

degree nurses to improve access to and quality of healthcare in underserved areas. These programs provide the largest source of federal funding for nursing education, including loans, scholarships, traineeships and programmatic support to many of the more than 1,400 nursing students at UC. In FY 2016, UC successfully competed for $1.9 million in Title VIII funding.

A 2011 UC San Francisco study found that higher nurse staffing levels were associated with fewer deaths, lower failure-to-rescue incidents, lower rates of infection and shorter hospital stays. With a nursing shortage in California expected to exceed 190,000 by 2030, and the need to address the nursing crisis in California and the rest of the country, $244 million in Title VIII funding is necessary to sustain our critical nursing workforce.

DEPARTMENT OF HEALTH AND HUMAN SERVICES, CENTERS FOR DISEASE CONTROL (CDC) AND PREVENTION

Centers for Disease Control (CDC) and Prevention

UC Request:	$7.23 billion
FY 2017 House:	$7.84 billion
FY 2017 Senate:	$7.12 billion
FY 2016 Enacted:	$7.23 billion

UC supports $7.23 billion in funding for the Centers for Disease Control and Prevention (CDC). Over the past decade, UC has received over $460 million in CDC awards, directly benefitting most of UC's campuses. In 2016, UC received almost $61 million from the CDC.

UC campuses are at the forefront of advances in public health. The Prevention and Public Health Fund has expanded and sustained investments in public health that improve health outcomes and enhance health care quality. The Fund has invested in a broad range of activities including, but not limited to: community and clinical prevention initiatives, research, public health infrastructure, surveillance and tracking, immunizations and public health workforce training.

With five nationally acclaimed medical centers, and specifically, UCLA and UCSF medical centers' location just minutes from international airports that are common gateways to the United States, UC will continue to depend on robust federal investment in public health and prevention efforts. Proposals to eliminate the Fund are of great concern to UC.

National Institute for Occupational Safety and Health (NIOSH) Education and Research Centers (ERCs)

UC Request:	$29.5 million
FY 2017 House:	$29.5 million
FY 2017 Senate:	$28.5 million
FY 2016 Enacted:	$28.5 million

UC supports $29.5 million for the National Institute for Occupational Safety and Health (NIOSH) Education and Research Centers (ERCs). The ERCs provide academic and research training programs in the occupational safety and health disciplines, as well as education and outreach programs to prevent workplace related injury and disease.

UC operates two of the nation's 18 ERCs – the northern California ERC based at UC San Francisco and UC Berkeley, and the southern California ERC based at UCLA and UC Irvine.

NIOSH Agriculture, Forestry and Fishing Program (AFF)

UC Request:	$26 million
FY 2017 House:	$26 million
FY 2017 Senate:	$25 million
FY 2016 Enacted:	$25 million

UC supports $26 million for the NIOSH Agriculture, Forestry and Fishing Program (AFF) Centers. The AFF Program is the only substantive federal effort designed to prevent workplace injuries in the agriculture sector. UC operates one of the nine regional NIOSH AFF Centers, the Center for Agricultural Disease and Injury Research, Education and Prevention located at UC Davis.

DEPARTMENT OF HEALTH AND HUMAN SERVICES, AGENCY FOR HEALTHCARE RESEARCH AND QUALITY (AHRQ)

Agency for Healthcare Research and Quality (AHRQ)

UC Request:	$364 million
FY 2017 House:	$280 million
FY 2017 Senate:	$324 million
FY 2016 Enacted:	$334 million

UC supports $364 million for the Agency for Healthcare Research and Quality (AHRQ), which is the singular federal agency charged with improving the safety and quality of America's health care delivery system. UC has been a beneficiary of AHRQ grants. For example, AHRQ provided funding to the UCLA Center for Health Policy Research to conduct the California Health Interview Survey (CHIS), the nation's largest state health survey and a critical source of data on Californians. CHIS provides representative data on all 58 counties in California, including a detailed picture of health and the health care needs of California's large and diverse population.

SUBCOMMITTEE ON STATE, FOREIGN OPERATIONS AND RELATED PROGRAMS

U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT (USAID)

New Partnerships for US and Developing Nation Universities

UC Request:	$35 million
FY 2017 House:	$35 million
FY 2017 Senate:	$35 million
FY 2016 Enacted:	$35 million

Feed the Future Food Security Innovation Labs

UC Request:	$60 million
FY 2017 House:	$60 million
FY 2017 Senate:	$32 million
FY 2016 Enacted:	$50 million

Higher Education Solutions Network

UC Request:	$27.4 million
FY 2017 House:	$27.4 million
FY 2017 Senate:	$0
FY 2016 Enacted:	n/a

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UC supports $35 million for New Partnerships for U.S. and Developing Nation Universities, $60 million for the Feed the Future Food Security Innovation Labs and **$27.4 million for the Higher Education Solutions Network.** These USAID-university partnerships bring unparalleled research capabilities to the U.S. government's global development and food security initiatives. UC leads six of the 24 Innovation Labs, a network of U.S. colleges and universities that partner with institutions in developing countries to conduct research and training in order to develop agricultural practices and technologies to improve safe and sustainable food production.