

## Final FY2016-2020 Appropriations Allocations for APLU Priorities (\$ in millions)

|  | FY2016 | % Change<br>FY15-FY16 | FY2017 | % Change<br>FY16-FY17 | FY2018 | % Change<br>FY17-FY18 | FY2019 | % Change<br>FY18-FY19 | FY2020 | % Change<br>FY19-FY20 |
|--|--------|-----------------------|--------|-----------------------|--------|-----------------------|--------|-----------------------|--------|-----------------------|
| <b>AGRICULTURE</b>   |        |                       |        |                       |        |                       |        |                       |        |                       |
| USDA National Institute of Food and Agriculture (NIFA), <i>Agriculture and Food Research Initiative (AFRI)</i> | 350    | +7.69%                | 375    | +7.14%                | 400    | +6.67%                | 415    | +3.75%                | 425    | +2.41%                |
| NIFA, <i>Hatch Act Funds</i>   | 243.7  | 0.00%                 | 243.7  | 0.00%                 | 243.7  | 0.00%                 | 259    | +6.28%                | 259    | 0.00%                 |
| NIFA, <i>Smith Lever Funds 3(b) and 3(c)</i>   | 300    | 0.00%                 | 300    | 0.00%                 | 300    | 0.00%                 | 315    | +5.00%                | 315    | 0.00%                 |
| NIFA, <i>Evans-Allen Program</i>   | 54.2   | +3.24%                | 54.2   | 0.00%                 | 54.2   | 0.00%                 | 58     | +7.01%                | 67     | +15.52%               |
| NIFA, <i>McIntire-Stennis Cooperative Forestry</i>   | 34     | 0.00%                 | 34     | 0.00%                 | 34     | 0.00%                 | 36     | +5.88%                | 36     | 0.00%                 |
| NIFA, <i>1890 Institutions Extension Services</i>  | 45.6   | +3.87%                | 45.6   | 0.00%                 | 45.6   | 0.00%                 | 48.6   | +6.58%                | 57     | +17.28%               |
| <b>COMMERCE-JUSTICE-SCIENCE</b>  |        |                       |        |                       |        |                       |        |                       |        |                       |
| National Science Foundation (NSF)  | 7,463  | +1.62%                | 7,472  | +0.12%                | 7,767  | +3.95%                | 8,075  | +3.97%                | 8,280  | +2.54%                |
| National Aeronautics and Space Administration (NASA), <i>Science Mission Directorate</i>                       | 5,589  | +6.56%                | 5,765  | +3.15%                | 6,222  | +7.93%                | 6,905  | +10.98%               | 7,139  | +3.39%                |
| NASA, <i>Aeronautics Research Directorate</i>  | 640    | -1.69%                | 660    | +3.13%                | 685    | +3.79%                | 725    | +5.84%                | 784    | +8.14%                |
| NASA, <i>Space Technology</i>  | 687    | +15.27%               | 687    | 0.00%                 | 760    | +10.63%               | 927    | +21.97%               | 1,100  | +18.66%               |
| NASA, <i>Space Grant Program</i>   | 40     | 0.00%                 | 40     | 0.00%                 | 40     | 0.00%                 | 44     | +10.00%               | 48     | +9.09%                |
| National Oceanic and Atmospheric Administration (NOAA), <i>Oceanic and Atmospheric Research</i>                | 482    | +11.32%               | 514    | +6.64%                | 508    | -1.17%                | 525    | +3.35%                | 548    | +4.38%                |
| NOAA, <i>Sea Grant</i>   | 64     | +1.91%                | 63     | -1.56%                | 65     | +3.17%                | 68     | +4.62%                | 74     | +8.82%                |
| NOAA, <i>Marine Aquaculture Program</i>  | 9      | +100%                 | 9.5    | +5.56%                | 11.5   | +21.05%               | 12     | +9.09%                | 13     | +8.33%                |
| National Institute for Standards and Technology (NIST), <i>Manufacturing Extension Partnerships (MEP)</i>      | 130    | 0.00%                 | 130    | 0.00%                 | 140    | +7.69%                | 140    | 0.00%                 | 146    | +4.29%                |
| NIST, <i>National Network for Manufacturing Innovation</i>   | -      | -                     | -      | -                     | 15     | -                     | 15     | 0.00%                 | 16     | +6.67%                |
| Economic Development Administration (EDA), <i>Regional Innovation Program</i>                                  | -      | -                     | -      | -                     | 21     | -                     | 23.5   | +11.90%               | 33     | +40.43%               |
| <b>DEFENSE see addendum for specific program</b>   |        |                       |        |                       |        |                       |        |                       |        |                       |
| Department of Defense, <i>Science &amp; Technology (6.1-6.3)</i>   | 13,251 | 6.74%                 | 14,011 | 5.74%                 | 14,864 | 6.09%                 | 15,960 | 7.37%                 | 16,074 | 0.71%                 |
| Department of Defense, <i>S&amp;T, Basic Research</i>  | 2,309  | 1.32%                 | 2,276  | -1.43%                | 2,343  | 2.94%                 | 2,529  | 7.94%                 | 2,603  | 2.93%                 |
| Department of Defense, <i>DARPA</i>  | 2,891  | -0.82%                | 2,889  | -0.07%                | 3,072  | 6.33%                 | 3,432  | 11.72%                | 3,458  | 0.76%                 |
| <b>ENERGY AND WATER DEVELOPMENT</b>  |        |                       |        |                       |        |                       |        |                       |        |                       |
| Department of Energy (DOE), <i>Office of Science</i>   | 5,350  | 5.50%                 | 5,392  | 0.79%                 | 6,260  | 16.10%                | 6,585  | 5.19%                 | 7,000  | 6.30%                 |
| DOE, <i>Advanced Research Projects Agency for Energy (ARPA-E)</i>  | 291    | 3.93%                 | 306    | 5.15%                 | 353    | 15.36%                | 366    | 3.68%                 | 425    | 16.12%                |

- : Program was not in existence    n/a : APLU was not tracking this line item

|   | FY2016           | % Change<br>FY15-FY16 | FY2017   | % Change<br>FY16-FY17 | FY2018            | % Change<br>FY17-FY18 | FY2019   | % Change<br>FY18-FY19 | FY2020   | % Change<br>FY19-FY20 |
|---|------------------|-----------------------|--|-----------------------|-------------------|-----------------------|--|-----------------------|--|-----------------------|
| <b>INTERIOR-ENVIRONMENT</b>   |                  |                       |  |                       |                   |                       |  |                       |  |                       |
| United States Geological Survey (USGS),<br><i>Water Resources Research Institutes (WRR)</i>                               | 6.5              | 0.00%                 | 6.5  | 0.00%                 | 6.5               | 0.00%                 | 6.5  | 0.00%                 | 10   | +53.85%               |
| USGS, <i>Cooperative Fish and Wildlife<br/>Research Units (CRUs)</i>  | 17.4             | 0.00%                 | 17.4   | 0.00%                 | 17.3              | -0.57%                | 18.4   | +6.36%                | 24   | +30.43%               |
| Environmental Protection Agency (EPA),<br><i>Office of Science and Technology</i>   | 735              | 0.00%                 | 706  | -3.95%                | 706               | 0.00%                 | 706  | 0.00%                 | 716  | +1.42%                |
| National Endowment for the Humanities   | 147.9            | +1.30%                | 150  | +1.42%                | 153               | +2.00%                | 155  | +1.31%                | 162.3  | +4.71%                |
| Joint Fire Science Program <sup>i</sup>   | n/a              | -                     | n/a  | -                     | n/a               | -                     | 6  | -                     | 6  | 0.00%                 |
| <b>LABOR-HEALTH AND HUMAN<br/>SERVICES- EDUCATION</b>   |                  |                       |  |                       |                   |                       |  |                       |  |                       |
| HHS, <i>National Institutes of Health (NIH)</i>   | 32,084           | +6.65%                | 34,084   | +6.23%                | 37,084            | +8.80%                | 39,084   | +5.39%                | 41,700   | +6.69%                |
| HHS, <i>Health Resources Services<br/>Administration (HRSA) Title VII and VIII</i>  | n/a              | -                     | 539  | -                     | 641               | +18.92%               | 642  | +0.16%                | 734.5<br>(incl. new<br>programs)                 | +14.41%               |
| HHS, <i>Agency for Healthcare Research and<br/>Quality (AHRQ)</i>   | 334              | -8.24%                | 324  | -2.99%                | 334               | +3.09%                | 338  | +1.20%                | 338  | 0.00%                 |
| Department of Education (ED) Student Aid,<br><i>Pell Grant –appropriated amount;<br/>[total maximum individual award]</i> | 22475<br>[5,815] | +0.69%                | 22,475<br>[5,920]<br><i>*rescinds<br/>\$1.3B</i> | +1.81%                | 22,475<br>[6,095] | +2.96%                | 22,475<br>[6,195]<br><i>*rescinds<br/>\$600M</i> | +1.64%                | 22,475<br>[6,345]<br><i>*rescinds<br/>\$500M</i> | +2.42%                |
| ED Student Aid,<br><i>Graduate Assistance in Areas of National<br/>Need (GAANN)</i>                                       | 29.3             | 0.00%                 | 28   | -4.44%                | 23                | -17.86%               | 23   | 0.00%                 | 23   | 0.00%                 |
| ED Student Aid, <i>Supplemental<br/>Educational Opportunity Grant (SEOG)</i>  | 733              | 0.00%                 | 733  | 0.00%                 | 840               | +14.60%               | 840  | 0.00%                 | 865  | +2.98%                |
| ED Student Aid, <i>Federal Work Study</i>   | 990              | 0.00%                 | 990  | 0.00%                 | 1,130             | +14.14%               | 1,130  | 0.00%                 | 1,180  | +4.42%                |
| ED Student Aid, <i>TRIO Programs</i>  | 900              | +7.14%                | 950  | +5.56%                | 1,010             | +6.32%                | 1,060  | +4.95%                | 1,090  | +2.83%                |
| ED Student Aid, <i>GEAR UP Programs</i>   | 323              | +6.95%                | 340  | +5.26%                | 350               | +2.94%                | 360  | +2.86%                | 365  | +1.39%                |
| ED, <i>International Education Programs (Title<br/>VI)</i>  | 72               | 0.00%                 | 72   | 0.00%                 | 72                | 0.00%                 | 72   | 0.00%                 | 76.2   | +5.83%                |
| ED, <i>Institute of Education Sciences (IES)</i>  | 618              | +7.67%                | 605  | -2.10%                | 613               | +1.32%                | 615  | +0.33%                | 623.5  | +1.38%                |
| <b>STATE-FOREIGN OPERATIONS</b>   |                  |                       |  |                       |                   |                       |  |                       |  |                       |
| Agency for International Development<br>(USAID), <i>partnerships for US &amp; developing<br/>nation universities</i>      | 35               | +100.00%              | 35   | 0.00%                 | 35                | 0.00%                 | 35   | 0.00%                 | 35   | 0.00%                 |
| USAID, <i>Feed the Future Innovation Labs</i>   | 50               | +56.25%               | 50   | 0.00%                 | 55                | +10.00%               | 55   | 0.00%                 | 55   | 0.00%                 |

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Department of Defense, Science & Technology (6.1-6.3)  
Program Element Recommendations  
(\$ in Thousands)

| Agency/Account     | Program Element (PE)  | FY2017    | FY2018    | % Change<br>FY17-FY18 | FY2019    | % Change<br>FY18-FY19 | FY2020    | % Change<br>FY19-FY20 |
|--------------------|---|-----------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|
| Army RDT&E         | Defense Research Sciences                                   | 293,116   | 273,590   | -6.66%                | 315,912   | +15.47%               | 354,480   | +12.21%               |
| Army RDT&E         | University Research Initiatives                             | 69,166    | 77,027    | +11.37%               | 65,283    | -15.25%               | 87,858    | +34.58%               |
| Army RDT&E         | University and Industry<br>Research Centers                 | 112,280   | 107,395   | -4.35%                | 114,115   | +6.26%                | 127,164   | +11.43%               |
| Navy RDT&E         | University Research Initiatives                             | 121,714   | 144,130   | +18.42%               | 161,433   | +12.01%               | 167,850   | +3.98%                |
| Navy RDT&E         | Defense Research Sciences                                   | 422,748   | 458,333   | +8.42%                | 499,208   | +8.92%                | 463,829   | -7.09%                |
| Air Force RDT&E    | Defense Research Sciences                                   | 380,812   | 342,919   | -9.95%                | 383,322   | +11.78%               | 356,107   | -7.10%                |
| Air Force RDT&E    | University Research Initiatives                             | 150,044   | 162,923   | +8.58%                | 164,991   | +1.27%                | 178,859   | +8.41%                |
| Air Force RDT&E    | High Energy Laser Research<br>Initiatives                   | 14,168    | 14,417    | +1.76%                | 13,056    | -9.44%                | 14,795    | +13.32%               |
| Defense-Wide RDT&E | DTRA Basic Research<br>Initiatives                          | 35,436    | 37,201    | +4.98%                | 37,023    | -0.48%                | 26,000    | -29.77%               |
| Defense-Wide RDT&E | Basic Research Initiatives                                  | 68,154    | 40,612    | -40.41%               | 56,702    | +39.62%               | 70,874    | +24.99%               |
| Defense-Wide RDT&E | National Defense Education<br>Program                       | 79,345    | 103,298   | +30.19%               | 135,919   | +31.58%               | 144,074   | +6.00%                |
| Defense Wide RDT&E | Defense-Wide Manufacturing<br>S&T Technology Program        | 158,398   | 186,159   | +17.53%               | 174,887   | -6.06%                | 197,397   | +12.87%               |
| DHP RDT&E          | Undistributed Medical<br>Research/Peer-Reviewed<br>(CDMRPs) | 1,279,200 | 1,386,100 | +8.36%                | 1,470,300 | +6.07%                | 1,615,600 | +9.88%                |

APLU did not track specific Defense accounts until FY2017