

REDAC Subcommittee on Human Factors

R,E&D Budget Status

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Federal Aviation
Administration



R,E&D FY 2016 Budget

- **FY 16 Appropriation \$166M**
 - Signed Dec. 18, 2015
 - Safety - \$95.969
 - Improve Efficiency - \$22.589
 - Reduce Environmental Impacts - \$41.897
 - Mission Support - \$5.545
- **R,E&D FY 17 Budget Request - \$167.5M**



FY 2016 Conference Language

- ***Unmanned aircraft systems research.*— The agreement includes \$17,635,000 for unmanned aircraft systems research, an increase of \$8,000,000 above the budget request. Within this increase, \$3,000,000 is provided to help meet FAA's UAS research goals of system safety and data gathering, aircraft certification, command and control link challenges, control station layouts and certification, sense and avoid, and environmental impacts; and \$5,000,000 is provided for the center of excellence on unmanned aerial systems, for a total of \$5,500,000 for the center. It is expected that UAS flight operations conducted as part of center of excellence research be performed at one or more of the six UAS test sites selected for UAS research and airspace integration.**
- ***Environmental sustainability.*—The agreement includes \$41,897,000 for research related to environmental sustainability, an increase of \$3,013,000 above the budget request. The total level of funding supports the CLEEN program as well as the center of excellence for alternative jet fuels and environment. The FAA is directed to use the increase in funding for the center of excellence, resulting in a total of \$10,513,000 for the center .**



FAA FY 2017 Budget Request

Account	FY 17 Request	FY 17 House Mark	Difference (+/-)	FY 17 Senate Mark	Difference (+/-)
Operations	\$ 9,994,352,000				
Facilities & Equipment	\$ 2,838,000,000				
Research, Engineering & Development	\$ 167,500,000				
Airports	\$ 2,900,000,000				
Total	\$ 15,899,852,000	\$ -	\$ -	\$ -	\$ -



FY 17 R,E&D Request

R,E&D BLI Name	FY 2016 Enacted	FY 2017 Congressional Submission
Total Safety	\$ 97,969,000	\$ 97,870,000
Fire Research & Safety	\$ 6,000,000	\$ 7,925,000
Propulsion & Fuel Systems	\$ 2,034,000	\$ 2,574,000
Advanced Materials /Structural Safety	\$ 7,409,000	\$ 4,113,000
Aircraft Icing/Digital System Safety	\$ 5,500,000	\$ 5,102,000
Continued Airworthiness	\$ 8,987,000	\$ 10,269,000
Aircraft Catastrophic Failure Prevention Research	\$ 1,433,000	\$ 1,528,000
Flightdeck/Maintenance/System Integration Human Factors	\$ 5,000,000	\$ 8,513,000
Safety System Management/Terminal Area Safety	\$ 6,063,000	\$ 7,000,000
Air Traffic Control/Technical Operations Human Factors	\$ 5,410,000	\$ 6,165,000
Aeromedical Research	\$ 8,467,000	\$ 9,538,000
Weather Program	\$ 15,031,000	\$ 17,976,000
Unmanned Aircraft Systems Research	\$ 17,635,000	\$ 8,422,000
NextGen - Alternative Fuels for General Aviation	\$ 7,000,000	\$ 5,792,000
Commercial Space	\$ 2,000,000	\$ 2,953,000
Total Economic Competitiveness	\$ 20,589,000	\$ 22,243,000
NextGen - Wake Turbulence	\$ 8,541,000	\$ 8,609,000
NextGen - Air Ground Integration Human Factors	\$ 8,000,000	\$ 8,575,000
NextGen - Weather Technology in the Cockpit	\$ 4,048,000	\$ 4,059,000
NextGen Information Security		\$ 1,000,000
Environmental Sustainability	\$ 41,897,000	\$ 41,187,000
Environment & Energy	\$ 16,074,000	\$ 15,013,000
NextGen Environmental Research - Aircraft Technologies, Fuels and Metrics	\$ 25,823,000	\$ 26,174,000
Mission Support	\$ 5,545,000	\$ 6,200,000
System Planning and Resource Management	\$ 2,100,000	\$ 2,788,000
William J. Hughes Technical Center Lab Facilities	\$ 3,445,000	\$ 3,412,000
Total Research Engineering & Development	\$ 166,000,000	\$ 167,500,000



FY 17 Congressional Issues

- **Sequestration should not be an issue for FY 2017 Budget Request**
 - Budget Deal for FY 17 \$1.070 Trillion
 - Some discussion on going back to sequestration levels
 - Sequestration may be an issue for FY 18
- **Defense Overseas Contingency Operations**
- **Presidential election politics may pose a problem**
- **Debt Ceiling should not be an issue for FY 2017 Budget Request**
 - Current ceiling thru March 2017
- **FY 2017 is most likely/will to start under a CR**



R,E&D FY 18 Budget Status

- **FY 18 R,E&D OST Submission: early June 2016**
- **FY 18 R,E&D OMB Submission: early Sept. 2016**
- **Scheduled date of FY 18 budget presented to Congress February 6, 2017**



Out Year Targets

- **Targets established Jannary 2016**
 - FY 18 - \$171M
 - FY 19 - \$175M
 - FY 20 - \$178M
 - FY 21 - \$182M
 - FY 22 - \$185M
- **Expect targets to change**



FAA Reauthorization

- **Current Authorization thru March 31 2016**
 - Expect another extension
 - Many issues to resolve before current extension expires



Budget Future - ?



- Funding levels after FY 17 are unclear, sequestration may resume

