

FAA Research - FY2022 Report (Program Areas grouped by Domain)		FY20 Total Actuals	FY20 Contract Actuals	FY21 Total Actuals	FY21 Contract Actuals	FY22 Total Request	FY22 Contract Request (4/21)	FY23 Total Request	FY23 Contract Request (4/21)	FY24 Contract Target **
Aircraft Safety Assurance										
Fire Research and Safety (A11A)		\$7,491	\$2,879	\$7,136	\$2,513	\$7,576	\$2,862	\$7,367	\$2,504	\$2,629
Propulsion and Fuel Systems (A11B)*		\$2,256	\$156	\$4,215	\$1,948	\$3,121	\$880	\$5,471	\$3,275	\$3,441
Advanced Material/Structural Safety (A11C)		\$13,693	\$9,657	\$14,720	\$13,717	\$1,678	\$600	\$2,886	\$1,745	\$1,280
Continued Airworthiness - Systems (A11E.SYS)		\$11,269	\$4,167	\$11,269	\$4,103	\$8,829	\$3,156	\$12,430	\$5,154	\$2,516
Continued Airworthiness - Structures (A11E.STR)			\$3,376		\$3,195		\$1,780		\$3,205	\$1,695
Aircraft Catastrophic Failure Prevention Research (A11F)*		\$1,409	\$1,282	\$1,565	\$1,565	N/A	N/A	N/A	N/A	N/A
Domain subtotal =		\$36,118	\$21,517	\$38,905	\$27,041	\$21,204	\$9,278	\$28,154	\$15,883	\$11,561
Digital Systems and Technology										
Digital System Safety (A11D.SDS)		\$4,500	\$2,806	\$3,861	\$2,888	\$3,689	\$2,450	\$5,287	\$3,336	\$4,825
Domain subtotal =		\$4,500	\$2,806	\$3,861	\$2,888	\$3,689	\$2,450	\$5,287	\$3,336	\$4,825
Environment & Weather Impact Mitigation										
Aircrft Icing (A11D.AI)		\$4,209	\$2,625	\$2,565	\$431	\$2,472	\$820	\$3,353	\$2,075	\$2,525
Alternate Fuels for General Aviation (A11M)		\$1,900	\$726	\$2,524	\$2,243	\$4,986	\$4,800	\$2,385	\$2,011	\$4,377
Domain subtotal =		\$6,109	\$3,351	\$5,089	\$2,674	\$7,458	\$5,620	\$5,738	\$4,086	\$6,902
Human Performance & Aeromedical Factors										
Flight Deck/Maintenance/System Integratio Human Factors (A11G)		\$7,300	\$2,587	\$7,469	\$2,682	\$14,301	\$9,422	\$15,292	\$9,150	\$9,139
Aeromedical Research (A11J)		\$7,919	\$3,299	\$10,235	\$3,135	\$13,257	\$7,409	\$8,975	\$3,807	\$6,824
Domain subtotal =		\$15,219	\$5,886	\$17,704	\$5,817	\$27,558	\$16,831	\$24,267	\$12,957	\$15,963
Aviation Performance & Planning										
System Safety Management/Terminal Area Safety (A11H)		\$4,500	\$1,842	\$5,485	\$2,648	\$7,898	\$4,816	\$10,111	\$6,958	\$5,714
Unmanned Aircraft Systems Research (A11L)		\$24,035	\$21,740	\$24,035	\$22,437	\$22,077	\$18,686	\$14,935	\$11,797	\$17,657
Domain subtotal =		\$28,535	\$23,582	\$29,520	\$25,085	\$29,975	\$23,502	\$25,046	\$18,755	\$23,371
Total Aviation Safety RE&D Portfolio =		\$90,481	\$57,142	\$95,079	\$63,505	\$89,884	\$57,681	\$88,492	\$55,017	\$62,622
% of total FAA RE&D Appropriation/Request		46.9%		48.0%		34.8%				
Total FAA RE&D Appropriation/Request		\$193M		\$198M		\$258.5M				

\*NOTE: Aircraft Catastrophic Failure Prevention Research was incorporated into Propulsion and Fuel Systems Budget Narratives starting in FY19.

\*\*NOTE: These numbers represent the initial FAA budgeting and are subject to change.