

DEPARTMENT OF THE AIR FORCE



Fiscal Year (FY) 2023 Budget Estimates

April 2022

OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

Volume II

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 Operation and Maintenance, Air National Guard
 Aerospace Control Alert (ACA)

AEROSPACE CONTROL ALERT -- HOMELAND AIR DEFENSE

Section I. Aerospace Control Alert (ACA): Aerospace Control Alert operations encompass those actions required to maintain peacetime control of U.S. and Canadian airspace. NORAD is charged with the Aerospace Warning and Control mission and Integrated Tactical/Warning Attack assessment for North America. PACOM is responsible for this mission set to maintain Aerospace Control for the State of Hawaii. ACA force structure is utilized to accomplish both the NORAD and US Northern Command (US NORTHCOM) and Pacific Command (US PACOM) homeland defense mission sets. The Air National Guard provides the force structure to fulfill the mission needs for 15 of the 16 ACA sites.

A. Appropriation: Military Personnel	FY 2021 Actuals	FY 2022 Enacted	FY 2022 (Amended)	FY 2023 PB (Funded)	Delta Requirement FY 2023 Funded	FY 2023 PB (Requirement)
End Strength, ANG	848	762	762	772	-	772
End Strength, Active Air Force	-	-	-	-	-	-
End Strength, Air Force Reserve	-	-	-	-	-	-
Military Personnel Costs	92,680	92,312	92,312	100,484	-	100,484
B. Appropriation: MERHC	FY 2021 PB	FY 2022 PB	FY 2022 (Amended)	FY 2023 PB (Funded)	Delta Requirement FY 2023 Funded	FY 2023 PB (Requirement)
Military Personnel Costs	3,939	3,875	3,875	3,875	-	4,450
C. Appropriation: Operation & Maintenance	FY 2021 Actuals	FY 2022 Enacted	FY 2022 (Amended)	FY 2023 PB (Funded)	Delta Requirement FY 2023 Funded	FY 2023 PB (Requirement)
End Strength	n/a	n/a	n/a	n/a	n/a	n/a
Flying Hour Costs, ANG	29,628	20,688	20,688	20,688	-	20,688
Flying Hour Costs -- Active Air Force	-	-	-	-	-	-
Flying Hour Costs -- Air Force Reserve	-	-	-	-	-	-
Flying Hour Costs -- Total	29,628	20,688	20,688	20,688	-	20,688
Other Mission Costs--Total, ANG	9,296	9,482	9,482	9,482	-	9,482
Other Mission Costs--Active Air Force	-	-	-	-	-	-
Other Mission Costs--Air Force Reserve	-	-	-	-	-	-
Other Mission Costs -- Total	9,296	9,482	9,482	9,482	-	9,482

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 Aerospace Control Alert (ACA)

D. Appropriation: Military Construction, ANG	FY 2021 PB	FY 2022 PB	FY 2022 (Amended)	FY 2023 PB (Funded)	Delta Requirement FY 2023 Funded	FY 2023 PB (Requirement)
<p>Section II. Command and Control: Operational Command and Control (C2) for Homeland Air Defense is provided by CONR-1AF (AFNORTH) for the Continental United States. CONR-1AF(AFNORTH) is structured and designated as a Component Numbered Air Force (c-NAF) providing C2 through the 601 Air and Space Operations Center (AOC) and AFFOR STAFF, two aligned Air Defense Sectors, and the Joint Air Defense Operations Center (JADOC) for the NORAD and US NORTHCOM mission sets. The 169 Air Control and Warning Squadron (ACWS) and 154 OSS, provide C2 over the Hawaiian AOR under USPACOM. The 176 Air Control Squadron (ACS) provides C2 for Alaska under NORAD. Additionally, radars and radios in the southern region are provided by the 140 ADS in Puerto Rico.</p>						
A. Appropriation: Military Personnel, ANG	FY 2021 Actuals	FY 2022 Enacted	FY 2022 (Amended)	FY 2023 PB (Funded)	Delta Requirement FY 2023 Funded	FY 2023 PB (Requirement)
End Strength	848	762	762	772	-	772
Military Personnel Costs	92,680	92,312	92,312	92,312	-	100,484
B. Appropriation: MERHC	FY 2021 PB	FY 2022 PB	FY 2022 (Amended)	FY 2023 PB (Funded)	Delta Requirement FY 2023 Funded	FY 2023 PB (Requirement)
Military Personnel Costs	3,939	3,875	3,875	3,875	-	4,450
C. Appropriation: Operation & Maintenance, ANG	FY 2021 Actuals	FY 2022 Enacted	FY 2022 (Amended)	FY 2023 PB (Funded)	Delta Requirement FY 2023 Funded	FY 2023 PB (Requirement)
End Strength (SAG 011G--Mission Support)	130	130	130	130	-	130
Mission Costs: (SAG 011G--Mission Support)	29,756	23,488	23,488	23,488	-	23,488

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 Operation and Maintenance, Air National Guard
 Spares and Repair Parts

	FY 2021		FY 2022		FY 2023		FY 2022 - FY 2023 Change	
	<u>Qty</u>	<u>\$ in Millions</u>	<u>Qty</u>	<u>\$ in Millions</u>	<u>Qty</u>	<u>\$ in Millions</u>	<u>Qty</u>	<u>\$ in Millions</u>
Depot Level Reparables (DLRs)								
Airframes	770	\$446	750	\$616	682	\$588	-68	\$-29
Total		\$446		\$616		\$588		\$-29
Consumables								
Airframes	770	\$139	750	\$212	682	\$197	-68	\$-15
Total		\$139		\$212		\$197		\$-15

Airframe changes FY 2022 to FY 2023: -21 A-10C, +7 C-130H, +2 C-130J, -3 C-130E, -5 KC-135R, -8 E-8C, -29 F-15C, -5 F-15D, -40 F-16C, -13 F-16D, +15 F-35A, -3 HH-60G and +2 F-15EX.

Depot Level Reparables and Consumables changes FY 2021 to FY 2022: Changes due to aircraft force adjustments/divestments.

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Operation and Maintenance, Air National Guard
Funds Budgeted for Environmental Quality

	FY21	FY22	FY23
Total ANG PB28	\$55,523	\$39,137	\$43,186
Environmental Compliance	\$53,213	\$36,899	\$40,907
Manpower	\$16,796	\$17,826	\$20,000
Air Stationary and Mobile Resources	\$679	\$364	\$980
Water	\$2,755	\$2,302	\$3,152
Stormwater	\$1,520	\$1,000	\$1,800
Wastewater	\$607	\$800	\$850
Safe Drinking Water	\$0	\$0	\$0
Spill Prevention and Response/ASTs	\$628	\$502	\$502
Planning	\$3,000	\$2,001	\$2,500
Toxic Substances	\$200	\$200	\$200
Controlled Substance	\$0	\$0	\$0
EPCRA Reporting (TRI and Tier I&II)	\$200	\$200	\$200
Storage and Disposal	\$2,791	\$2,007	\$3,026
UST (RCRA-I)	\$5	\$4	\$4
Hazardous Waste (RCRA-C)	\$2,784	\$2,000	\$3,019
Solid Waste (RCRA-D)	\$2	\$3	\$3
Compliance Related Cleanup-Other Compliance Related Assessment and Cleanup	\$25,000	\$10,000	\$8,850
Compliance Cross-Cutting Programs	\$792	\$1,217	\$1,217
Geospatial Information "Systems (GIS and Information Technology (IT)	\$0	\$0	\$0
Multi-Program Management	\$292	\$208	\$208
Compliance Education and Training	\$500	\$1,009	\$1,009
Compliance Other-Miscellaneous Activities	\$1,200	\$982	\$982
Pollution Prevention	\$1,184	\$1,148	\$1,168
Pollution Prevention Manpower	\$0	\$0	\$0
Pollution Prevention Projects	\$1,184	\$1,148	\$1,168
Hazardous Material/Hazardous and Solid Waste Reduction	\$1,184	\$1,148	\$1,168

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 Funds Budgeted for Environmental Quality

Air Pollution Reduction	\$0	\$0	\$0
Water Pollution Reduction	\$0	\$0	\$0
Pollution Prevention Other-Miscellaneous Pollution Prevention Activity	\$0	\$0	\$0
Environmental Conservation	\$1,126	\$1,090	\$1,111
Natural Resources Manpower	\$0	\$0	\$0
Cultural Resources Manpower	\$0	\$0	\$0
Listed and At-Risk Species	\$200	\$223	\$224
Threatened and Endangered Species; Candidate Species and Species at Risk or Concer	\$200	\$221	\$223
Marine Mammal Protection	\$0	\$2	\$1
Integrated Natural Resource Planning	\$567	\$509	\$529
Wetlands	\$60	\$60	\$60
Natural Resources Other	\$0	\$0	\$0
Conservation Cross Cutting programs	\$4	\$4	\$4
Historic Structures	\$95	\$96	\$96
Archaeology	\$108	\$197	\$197
Archeological/Curation	\$100	\$184	\$184
Tribal consultation/Repatriation	\$8	\$13	\$13
Cultural Resource Other	\$92	\$1	\$1

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Operation and Maintenance, Air National Guard
Depot Maintenance

Component	Maintenance Activity	Maintenance Type	Weapon System	FY 2021	FY 2022					FY 2023				
				TOA Funded	Direct Funded	Required	% Funded	Funded Supplemental	% TOA Funded	Direct Funded	Required	% Funded	Funded Supplemental	% TOA Funded
Guard	Aircraft	Basic Aircraft	A-10	74,521	64,579	64,579	100%		100%	86,000	104,466	82%		82%
			C-130	161,318	133,073	154,509	86%		86%	127,014	158,611	80%		80%
			C-17	16,182	20,581	61,562	33%		33%	71,439	78,591	91%		91%
			C-40	3,517	10,542	17,271	61%		61%	1,435	1,435	100%		100%
			E-8	87,643	17,647	68,258	26%	50,609	100%	29,756	154,944	19%	62,594	60%
			F-15	58,907	112,690	114,142	99%		99%	106,307	118,701	90%		90%
			F-16	69,928	78,124	112,561	69%		69%	131,808	136,269	97%		97%
			F-22	30,946	27,055	36,836	73%		73%	24,655	27,776	89%		89%
			F-35	-	-	-	0%		0%	59	59	100%		100%
			HC-130	-	-	4	0%		0%	31	597	5%		5%
			HH-60	8,295	257	6,411	4%		4%	6,522	6,522	100%		100%
			KC-135	363,601	407,158	407,158	100%		100%	405,505	433,996	93%		93%
			KC-46	3,926	13,449	13,449	100%		100%	4,467	4,469	100%		100%
			RC-26	4,663	4,896	4,893	100%		100%	-	5,101	0%		0%
		Engine	A-10	14,253	27,402	27,402	100%		100%	13,936	13,940	100%		100%
			C-130	13,396	14,576	14,576	100%		100%	14,634	14,634	100%		100%
			C-17	58,340	57,598	71,743	80%		80%	59,306	79,776	74%		74%
			C-40	-	14,827	14,827	100%		100%	15,242	15,242	100%		100%

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Other	E-8	21,633	15,902	30,688	52%	14,786	100%	4,426	4,426	100%		100%
	F-22	50,184	43,892	45,896	96%		96%	40,191	40,191	100%		100%
	F-35	-	2,702	6,972	39%		39%	10,266	10,267	100%		100%
	HC-130	4,867	4,867	4,942	98%		98%	-	-	0%		0%
	KC/C-135	15,401	-	-	0%		0%	-	37,464	0%		0%
	KC-135	104,223	217,678	272,401	80%		80%	181,557	227,776	80%		80%
	RC-26	1,279	-	1,613	0%		0%	-	1,752	0%		0%
	A-10	12,597	21,763	24,032	91%		91%	23,537	26,147	90%		90%
	C-130	27,451	35,871	42,649	84%		84%	35,144	40,744	86%		86%
	C-17	175,051	135,224	261,842	52%		52%	232,835	259,561	90%		90%
	C-40	13,550	15,181	15,181	100%		100%	15,377	15,382	100%		100%
	E-8	110,024	121,381	297,447	41%	30,897	51%	66,703	68,153	98%	1,450	100%
	F-15	84,327	84,877	85,102	100%		100%	70,250	74,423	94%		94%
	F-16	26,044	32,994	34,764	95%		95%	42,305	42,547	99%		99%
	F-22	51,035	31,655	51,456	62%		62%	43,110	43,113	100%		100%
	F-35	139,575	145,449	160,359	91%		91%	148,663	148,904	100%		100%
	HC-130	8,084	8,594	9,821	88%		88%	14,247	14,511	98%		98%
	HH-60	1,151	1,749	1,789	98%		98%	896	2,434	37%		37%
	KC/C-135	4,389	-	-	0%		0%	-	-	0%		0%
	KC-135	22,493	21,318	30,689	69%		69%	31,809	31,809	100%		100%
	MQ-9 Reaper	49,470	44,714	44,716	100%		100%	46,591	46,649	100%		100%
	Other Aircraft	5,371	5,245	5,468	96%		96%	5,564	5,566	100%		100%
	RC-26	7,389	3,856	9,337	41%		41%	-	8,781	0%		0%

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		Storage	6,301	5,876	6,533	90%		90%	6,650	6,650	100%		100%
		Test/Train	1,092	-	-	0%		0%	-	-	0%		0%
	Software	C-130	924	274	903	30%		30%	866	869	100%		100%
		C-17	2,243	196	11,577	2%		2%	10,060	10,230	98%		98%
		E-8	19,005	-	25,319	0%	25,319	100%	-	21,707	0%	21,707	100%
		F-15	4,222	4,190	5,963	70%		70%	5,776	5,839	99%		99%
		F-35	8,188	11,207	17,833	63%		63%	17,910	17,910	100%		100%
		HC-130	29	908	3,021	30%		30%	698	4,305	16%		16%
		Test/Train	3,502	-	-	0%		0%	-	-	0%		0%
	Support Equipment	C-17	24,899	-	-	0%		0%	-	-	0%		0%
		C-40	6,897	-	-	0%		0%	15,479	15,479	100%		100%
		E-8	36,669	21,913	68,792	32%	36,343	85%	10,474	41,239	25%	30,765	100%
		F-16	1,323	1,628	1,720	95%		95%	1,626	1,750	93%		93%
		F-22	6,471	-	3,421	0%		0%	5,372	5,372	100%		100%
		F-35	4,725	1,336	1,347	99%		99%	2,272	2,273	100%		100%
		Other Aircraft	413	-	-	0%		0%	-	-	0%		0%
		RC-26	241	248	248	100%		100%	-	255	0%		0%
	All Other Items Not Identified	N/A	-	-	-	0%		0%	-	-	0%		0%
		Other Items	1,213	1,215	1,215	100%		100%	619	1,257	49%		49%
	Automotive Equipment	Software	Vehicles	674	765	765	100%	100%	764	791	97%		97%
		Support Equipment	Vehicles	89	1	350	0%	0%	218	328	66%		66%

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Electronics and Communications Systems	End Item	AEWS	35	35	35	100%	100%	30	36	83%	83%
		Air Traffic Mgt Sys	6,457	865	865	100%	100%	6,159	8,004	77%	77%
		Communications Systems	1,124	1,424	1,424	100%	100%	1,449	1,449	100%	100%
		CRC	5,071	331	5,158	6%	6%	1,179	6,316	19%	19%
		CSEL	17	17	20	85%	85%	17	21	81%	81%
		DCGS	7,568	-	8,848	0%	0%	7,340	18,324	40%	40%
		ECS	-	-	-	0%	0%	-	-	0%	0%
		Tactical Ranges	-	-	-	0%	0%	-	-	0%	0%
	Other	AEWS	14	32	33	97%	97%	3	3	100%	100%
		Automated Test Sys (ATS)	-	-	-	0%	0%	1,233	1,233	100%	100%
		BCS-F	194	201	215	93%	93%	145	190	76%	76%
		Command and Control	10	910	910	100%	100%	-	-	0%	0%
		CRC	3,994	6,424	7,535	85%	85%	4,944	5,448	91%	91%
		Cyber Systems	21,131	23,895	25,923	92%	92%	11,429	22,565	51%	51%
		DCGS	30,475	334	28,020	1%	1%	24,958	34,906	72%	72%
		Satellite Communications	-	-	-	0%	0%	2,713	2,713	100%	100%

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			Targeting Pods	8,887	13,106	13,106	100%		100%	10,636	10,671	100%		100%
		Software	Air Traffic Mgt Sys	1,311	1,503	1,562	96%		96%	1,617	1,617	100%		100%
			Command and Control	-	-	-	0%		0%	936	936	100%		100%
			Cyber Systems	-	-	-	0%		0%	1,232	3,081	40%		40%
			DCGS	37,140	29,840	38,125	78%		78%	32,003	43,282	74%		74%
		Subassemblies	Communications Systems	1,273	1,285	2,634	49%		49%	-	-	0%		0%
			CRC	127	-	-	0%		0%	-	-	0%		0%
			Targeting Pods	10,835	18,605	18,605	100%		100%	39,608	39,608	100%		100%
		End Item	Halvorsen Loader	1,676	1,014	1,352	75%		75%	2,415	2,415	100%		100%
			Support Equipment	39,314	26,331	37,985	69%		69%	31,689	40,409	78%		78%
			Tunner Loader	-	-	-	0%		0%	875	875	100%		100%
		Other	Halvorsen Loader	442	477	571	84%		84%	588	588	100%		100%
			PMEL	173	146	146	100%		100%	-	151	0%		0%
			Support Equipment	334	468	468	100%		100%	477	485	98%		98%
			Tunner Loader	-	-	-	0%		0%	11	11	100%		100%
		Subassemblies	Halvorsen Loader	47	47	50	94%		94%	51	51	100%		100%
Guard Total				2,211,793	2,176,413	2,969,942	73%	157,954	79%	2,374,108	2,887,371	82%	116,516	86%

**DEPARTMENT OF THE AIR FORCE
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Operation and Maintenance, Air National Guard
Service Provided Support & Enabling Capability for USSOCOM
Support To Special Operations Forces (\$K)**

Component	ProgramTitle	FY2021	FY2022	FY2023
Guard	ANG MC-12 AvFID	\$17,893	\$20,708	\$5,107
	CV-22 SOF Squadron (ANG)	\$622	\$1,371	\$269
	Service Support to SOCOM Activities	\$305	\$298	\$158
	Service Support to Special Operations Forces	\$44,797	\$45,310	\$40,392
Total		\$63,617	\$67,687	\$45,926