

State of Alaska FY2022 Governor's Operating Budget

Department of Military and Veterans Affairs Alaska Aerospace Corporation Results Delivery Unit Budget Summary

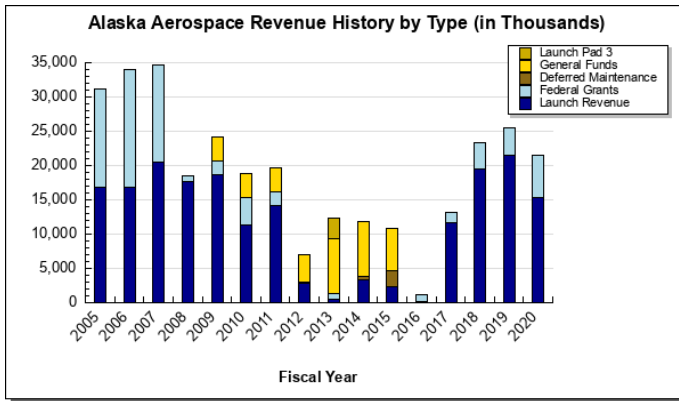
Alaska Aerospace Corporation Results Delivery Unit

Contribution to Department's Mission

Promote aerospace-related economic growth and development and strengthen Alaska's technological infrastructure.

Results

(Additional performance information is available on the web at <https://omb.alaska.gov/results>.)



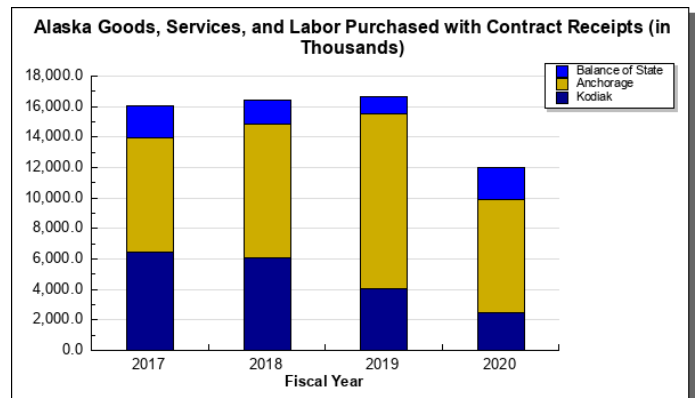
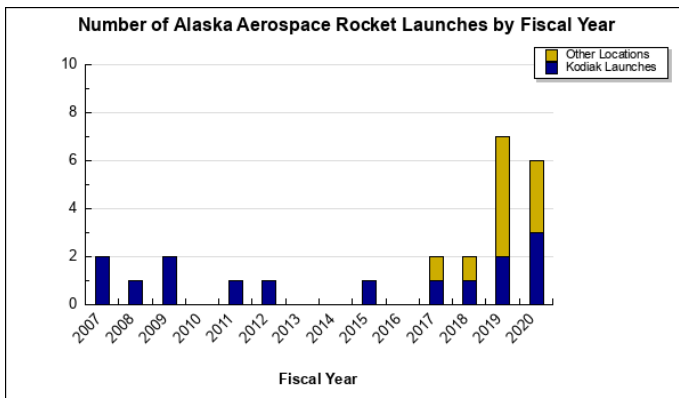
Core Services

- Provide Launch Facilities and Aerospace Services

Measures by Core Service

(Additional performance information is available on the web at <https://omb.alaska.gov/results>.)

1. Provide Launch Facilities and Aerospace Services



Major RDU Accomplishments in 2020

Alaska Aerospace Corporation (AAC) maintains and operates the Pacific Spaceport Complex – Alaska (PSCA), a state-of-the-industry spaceport on Kodiak Island. PSCA remains the only commercial polar launch range available in the United States, offering both orbital and suborbital capabilities for commercial and government interests. PSCA has been the launch site for several missile defense tests, orbital missions, and is a prime orbital launch site for light-lift vehicles supporting small satellite for government and commercial customers. PSCA has become a force multiplier in being the alternative West Coast range to Vandenberg AFB, providing additional capacity to test national security missions from an existing spaceport.

AAC supported three Rocket Lab launches at Mahia, New Zealand with telemetry and flight safety services for launches of the Electron rocket. At the end of calendar year 2019, the team had completed all requirements for Rocket Lab and the equipment returned to Kodiak for refurbishment and upgrades. This successfully completed a total of ten launches and closed out the most innovative and successful deployment in Alaska Aerospace's history.

As stated by the Missile Defense Agency, "The Israel Missile Defense Organization (IMDO) of the Directorate of Defense Research and Development (DDR&D) and the U.S. Missile Defense Agency (MDA) completed a successful flight test campaign with the Arrow-3 Interceptor missile. Flight Test Arrow-01 demonstrated the Israeli Arrow Weapon System's ability to conduct a high altitude hit-to-kill engagement. Interceptor tests were conducted that successfully destroyed target missiles. These tests were conducted at PSCA in Kodiak, Alaska."

Governor Dunleavy recognized Alaska Aerospace staff with the Denali Peak Performance Exceptional Team award for 2020. Specifically, this award recognizes our team's Range Safety & Telemetry System (RSTS) operations that supported Rocket Lab and government missions.

PSCA hosted the prize-based Defense Advanced Research Projects Agency (DARPA) Launch Challenge. As noted by DARPA, "Today, space launch is a process that begins years in advance, and it relies on a limited number of launch ranges that have complex, expensive, and one-of-a-kind, fixed infrastructure. The DARPA Launch Challenge stressed the time, technology, systems, and processes that currently constrain access to space. The Challenge aimed to minimize launch infrastructure, improve responsiveness, and take advantage of advances in commercial launch cadence to demonstrate flexible launch capabilities in days rather than years, for our nation's defense." After an exhaustive year-plus long assessment of U.S. federal and commercial launch sites, PSCA was identified as the only location able to provide the responsiveness, capabilities, and agility to meet the Challenge's launch site needs. In February 2020, the launch campaign was held to quickly launch three small satellites into orbit with Astra Space's Rocket 3.0. The campaign ended 53-seconds short of lift-off when a rocket technical issue forced a scrub. Several lessons learned from the Challenge will inform and shape the future of responsive and agile military launch for years to come.

Alaska Aerospace upgraded PSCA spaceport capabilities, including enhancing orbital spaceport launch sites, improving site security capabilities, upgrading tracking and flight safety systems, and reducing launch logistics complexities.

Key RDU Challenges

Alaska Aerospace will strengthen the vision of the PSCA being a multi-user spaceport by continuing to support government missions, increase the launch cadence of commercial rockets, and add new launch vehicle operators to the spaceport's customer list. Additional improvements and facility upgrades will enable efficient and effective access to space.

Significant Changes in Results to be Delivered in FY2022

Alaska Aerospace is anticipating supporting the most launches in its history from PSCA which will task our workforce and facilities more than ever before. Improvements and facility upgrades are specifically designed to support Department of Defense and NASA needs for polar orbits and sub-orbital missions.

Contact Information
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**Alaska Aerospace Corporation
RDU Financial Summary by Component**

All dollars shown in thousands

	FY2020 Actuals				FY2021 Management Plan				FY2022 Governor			
	UGF+DGF Funds	Other Funds	Federal Funds	Total Funds	UGF+DGF Funds	Other Funds	Federal Funds	Total Funds	UGF+DGF Funds	Other Funds	Federal Funds	Total Funds
Formula Expenditures None.												
Non-Formula Expenditures												
AK Aerospace Corp	0.0	1,053.2	1,316.0	2,369.2	0.0	1,305.3	2,771.1	4,076.4	0.0	1,305.3	2,771.1	4,076.4
AAC Facilities Maintenance	0.0	4,173.2	17,350.5	21,523.7	0.0	1,911.9	4,804.1	6,716.0	0.0	1,911.9	4,804.1	6,716.0
Totals	0.0	5,226.4	18,666.5	23,892.9	0.0	3,217.2	7,575.2	10,792.4	0.0	3,217.2	7,575.2	10,792.4

**Alaska Aerospace Corporation
Summary of RDU Budget Changes by Component
From FY2021 Management Plan to FY2022 Governor**

All dollars shown in thousands

	<u>Unrestricted Gen (UGF)</u>	<u>Designated Gen (DGF)</u>	<u>Other Funds</u>	<u>Federal Funds</u>	<u>Total Funds</u>
FY2021 Management Plan	0.0	0.0	3,217.2	7,575.2	10,792.4
FY2022 Governor	0.0	0.0	3,217.2	7,575.2	10,792.4