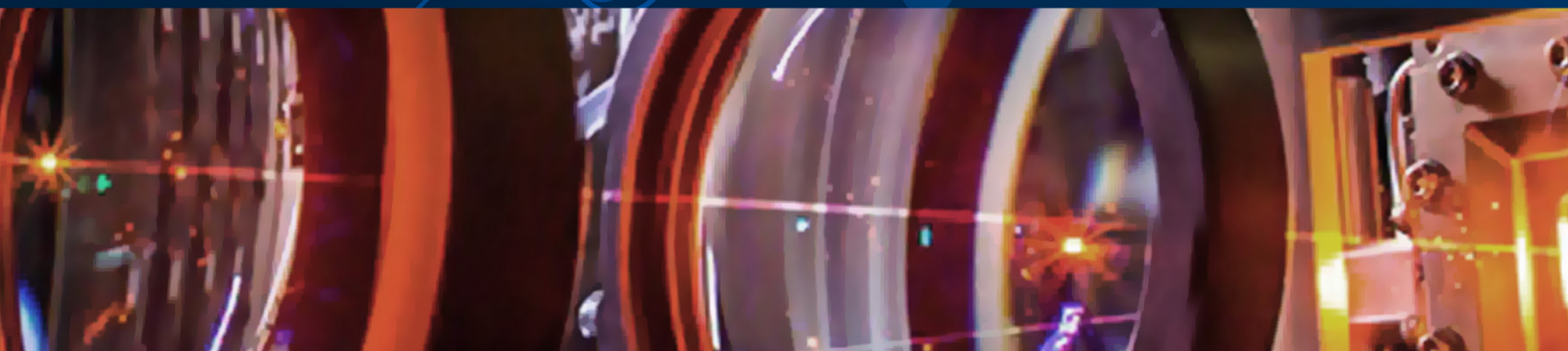


AFRL

THE AIR FORCE RESEARCH LABORATORY



ECONOMIC IMPACT STATEMENT 2018 - 2020 KIRTLAND AIR FORCE BASE





ECONOMIC IMPACT STATEMENT

2018 – 2020 KIRTLAND AFB

The Air Force Research Laboratory (AFRL) has a profound positive impact on the New Mexico economy. Kirtland Air Force Base (KAFB) is home to the Laboratory's Space Vehicles and Directed Energy Directorates, the Air and Space Force's centers of expertise for research and development. Numerous state-of-the-art research laboratories exist at KAFB, and its facilities around the state.

This report estimates the jobs and economic activity created or catalyzed by AFRL in federal fiscal years (FFY) 2018 through 2020.

FFY 2020 AFRL-NM

- Spent \$416M in New Mexico
- Contracts \$102M to New Mexico businesses and institutions
- Workforce
 - 891 civilian employees
 - \$122.3M combined annual salaries
 - 210 active duty military
 - \$10.8M combined annual salaries
- Support 2,899 New Mexico jobs
 - 891 AFRL-NM employees
 - 210 Active duty military
 - 1,798 Employees of AFRL contractors, supply chain businesses, and those that cater to employees of AFRL and its suppliers
 - \$206.5M Employee compensation to New Mexico workers
- \$675M contribution New Mexico economy
- \$23M state and local tax revenue
- \$11.4M contribution to 42 New Mexico small businesses
- 33 Cooperative research and development agreements, and a variety of agreements with private entities that share the Air Force's research objectives, enabling the collaboration on research and facilitating commercialization.
- Administered nationally recognized science, technology, engineering, and math (STEM) education programs for more than 10,000 students, grades 5 – 12.
- Summer internships to 122 high school and college students from throughout the U.S.



AFRL EMPLOYEES

Table 2 AFRL-NM Employment by Directorate, FFY 2018-2020			
	FFY18	FFY19	FFY20
Directed Energy (RD)	339	340	367
Space Vehicles (RV)	479	562	524
Active Duty Members	200	202	210
Total Employment	1018	1104	1101

NEW MEXICO EXPENDITURES

Between FFY 2018 and FFY 2020, AFRL-NM's New Mexico expenditures increased from \$404.63 million to \$415.53 million. Tables a and b show total expenditures by type for each directorate.

AFRL-NM New Mexico Spending (\$ millions), FFY 2018-2020

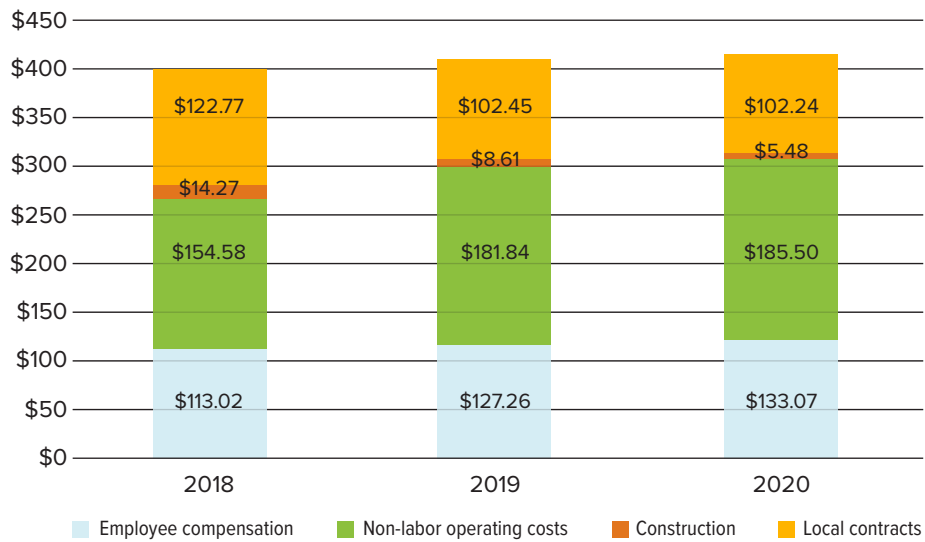




Table a **Directed Energy New Mexico Expenditures (\$ millions), FFY 2018-20**

	2018	2019	2020
Employee compensation	\$52.04	\$54.69	\$57.56
Non-labor operating	\$119.88	\$122.58	\$107.83
Construction	\$1.54	\$1.71	\$0.94
Local Contracts	\$63.63	\$63.65	\$59.01
Total	\$237.09	\$242.63	\$225.34

Table b **Space Vehicles Directorate New Mexico Expenditures (\$ millions), FFY 2018-20**

	2018	2019	2020
Employee compensation	\$70.98	\$72.57	\$74.74
Non-labor operating	\$34.70	\$59.26	\$77.67
Construction	\$12.73	\$6.90	\$4.54
Local Contracts	\$59.13	\$38.81	\$43.24
Total	\$177.54 M	\$177.54 M	\$200.19 M

Impact of spending by AFRL-NM on gross revenue received by New Mexico businesses and institutions in federal fiscal years 2018 through 2020.

AFRL-NM Impacts on Output, 2018-2020 (\$ Millions)

	2018	2019	2020
Direct	\$412.73	\$413.27	\$425.43
Indirect & Induced	\$237.52	\$243.09	\$249.93
Total	\$650.25 M	\$656.36 M	\$675.36 M

SMALL BUSINESS PROGRAMS

AFRL supports small businesses through the Small Business Innovation Research (SBIR) and the Small Business Technology Transfer (STTR) programs. Overseen by the Small Business Administration, awards are funded through a competitive process to small businesses seeking to engage in federal research with significant commercialization potential. SBIR seed funding enables STEM driven businesses to move from ideation to commercialization. In return, AFRL receives the benefit of cost-effective R & D.

AFRL-NM SIBR and STTR Awards, FFY 2018 through FFY 2020				
		FFY18	FFY19	FFY20
SBIR	Actions	53	43	38
	Amounts	\$10.3 M	\$10.5 M	\$10.6 M
STTR	Actions	9	15	4
	Amounts	\$1.0 M	\$3.4 M	\$849.9 K

AFRL ACTIVITIES BENEFITING NEW MEXICANS

STEM Education

Through its STEM Academy, AFRL engages students in grades 5 through 12, in its award-winning educational programs, and heightens interest in Air Force careers by providing participants with one-of-a-kind learning opportunities in science, engineering, and math.

AFRL STEM OUTREACH							
Participation		2018		2019		2020	
		Students	Teachers	Students	Teachers	Students	Teachers
Total		12,990	601	17,474	500	16,147	455



AFRL SCHOLARS PROGRAM

The AFRL Scholars Program offers paid summer internships to high school, undergraduate, and graduate students interested in STEM disciplines. Scholars come from all over the U.S. to work for 8 to 10 weeks on cutting-edge research with AFRL-NM scientists and engineers. From 2018 to 2020, 568 students served as Scholars.

UNIVERSITY PARTNERSHIPS

Education Partnership Agreements (EPAs) allow AFRL to loan or donate equipment to educational institutions for use by science and engineering students. Partnership agreements enable faculty and students to be involved in AFRL research, earn academic credit for research, and enable faculty and AFRL-NM personnel to develop and teach curricula based on laboratory research.

COLLABORATIVE WORK SPACE “Q STATION”

A state-of-the-art aerospace and technology innovation hub and co-working space, opened in Albuquerque’s historic Nob Hill neighborhood in April, 2021, giving AFRL a greater presence in the community, assistance to start-up businesses, and free meeting space, enabling AFRL-NM to work more closely with current and potential public and private sector partners.

SPONSORSHIP OF COMMUNITY STEM EVENTS

AFRL provides tens of thousands of dollars annually to sponsor hands-on events. From 2018-2020, AFRL awarded \$239,000 in sponsorship funding.





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