

The Laboratories have evolved to meet national challenges



Sandia is a multimission national security laboratory with five major program portfolios



Sandia received five R&D 100 Awards in 2018

Detergent-Assisted Fabrication of Multifunction Nanomaterials, a process that allows the synthesis of new nanomaterials with carefully controlled physical and chemical properties

LAMMPS: Atomistic Simulation of Materials, a molecular dynamics simulation code

Large Field-of-View Bench Top 3-D X-Ray Phase Contrast Imaging System, enables new levels of nondestructive inspection and defect detection

Power API, a standardized interface for power measurement and control for all types of computing systems. In addition to the award, received a special recognition for corporate responsibility.

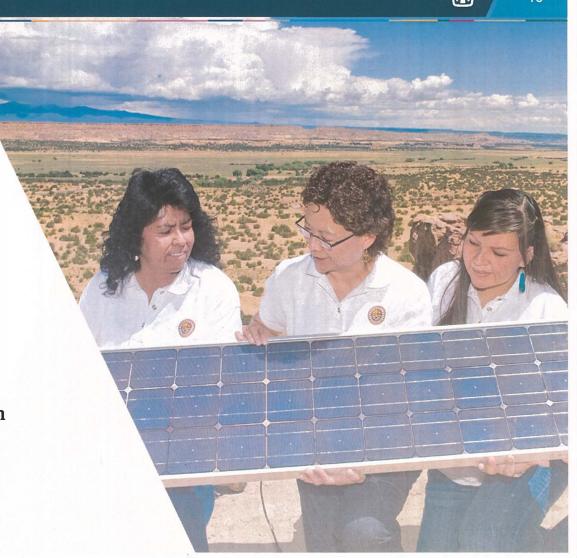
SWiCK Zoom, a true optical zoom method that requires low power and no macroscopic parts to achieve millisecond-timescale changes to optical resolution and field of view





Sandia helps the New Mexico economy in significant ways

- We attract professionals to the state;
- procure goods and services from New Mexico sources;
- help small businesses succeed;
- transfer technology to the private sector;
- partner with New Mexico universities;
- have considerable payroll and pension distributions



Our activities encompass the full spectrum of national security challenges



OTHER

Department of Homeland Security
Other federal agencies | Nonfederal entities
CRADAs, licenses, royalties | Inter-entity work



DoD

Air Force | Army | Navy
Defense Threat Reduction Agency
Ballistic Missile Defense Organization
Office of the Secretary of Defense
Defense Advanced Research Projects Agency
Intelligence Community



OTHER DOE

Science
Energy Efficiency and Renewable Energy
Nuclear Energy
Environmental Management
Electricity Delivery and Energy Reliability
Other DOE



NONPROLIFERATION

NNSA/NA20 | State Department

In FY18 the Labs' spending topped \$3 billion





\$1,858,356,000



SUBCONTRACT-RELATED PAYMENTS + PROCUREMENT CARD
PURCHASES - TOTAL PROCUREMENT IMPACT

\$1,092,155,000 + \$85,688,000 = **\$1,177,843,000**

 SMALL BUSINESS SUBCONTRACT-RELATED PAYMENTS \$580,998,000

NEW MEXICO SUBCONTRACT-RELATED PAYMENTS +
 PROCUREMENT CARD PURCHASES = TOTAL NM IMPACT
 \$404,903,000 + \$15,513,000 = \$420,416,000

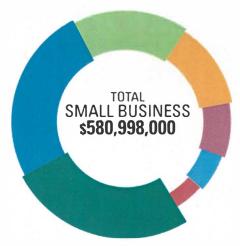
NEW MEXICO SMALL BUSINESS SUBCONTRACT-RELATED PAYMENTS \$267,425,000



GROSS RECEIPTS, SALES/USE, AND CORPORATE TAXES \$88,072,000

NEW MEXICO GROSS RECEIPTS AND CORPORATE TAXES \$83,675,000

Small business contracting is a priority



DISADVANTAGED	\$151,638,000
OTHER* * Non-minority, non-weman, non-HUBZone, non-veteran owned	\$145,889,000
WOMAN OWNED	\$98,237,000
VETERAN OWNED	\$74,101,000
SERVICE-DISABLED VETERAN OWNED	\$48,721,000
HUBZone	\$36,497,000
8(a)	\$25,915,000



DISADVANTAGED	\$69,992,000
WOMAN OWNED	\$66,334,000
OTHER* * Non-minority, non-woman, non-HUBZone, non-veteran owned	\$49,685,000
VETERAN OWNED	\$30,963,000
HUBZone	\$22,510,000
8(a)	\$14,400,000
SERVICE-DISABLED VETERAN OWNED	\$13,541,000



>510 NEW SMALL-BUSINESS SUPPLIERS ADDED TO SANDIA'S SUPPLIER BASE

NEW MEXICO SMALL BUSINESS
SUBCONTRACTING PAYMENTS ARE

46%

OF TOTAL SMALL-BUSINESS SUBCONTRACTING PAYMENTS

66%

OF TOTAL NEW MEXICO SUBCONTRACTING PAYMENTS

Sandia programs promote small-business success

The Labs are committed to 60% of total contracting dollars going to small companies within five years

A Small Business Steering Committee was established to source, evaluate, and strategically plan small-business opportunities within major Sandia areas and programs. Small-business division goals were established to increase awareness.

A **5% NM small-business pricing preference** is offered on competitive procurements. All New Mexico small businesses are eligible for the preference.

Sandia offers **Supplier Open Houses** and other programs to prepare small companies to do business with the Labs

- Sandia hosted over 645 suppliers in FY18;
- hosted and scheduled Technical Open Houses in the fields of IT, manufacturing, and construction;
- partnered with DOE's Office of Small and Disadvantaged Business Utilization for HUBZone Open House

An Arm-based supercomputer was deployed at Sandia in partnership with Westwind Computer Products Inc., a New Mexico woman-owned and HUBZone small-business supplier



Technology-based economic development helps New Mexico companies start up and grow

New Mexico Small Business Assistance (NMSBA)

6,858 new jobs created and retained; all 33 New Mexico counties supported

\$57.9M in technical assistance to **2,797** New Mexico small businesses

2017: \$2.4M in assistance provided by Sandia alone, 188 small businesses in 21 counties



Sandia Science & Technology Park (SSTP)

47 companies and organizations employing 2,059 people

\$384.8M of investment

\$98K average annual salary, \$5.4B wages and salaries generated

2018: 3 new companies



Entrepreneurial Separation to Transfer Technology (ESTT)

162 Sandia entrepreneurs have left the Labs

113 companies started or expanded

2018: **5** entrepreneurs left to start **4** companies and expand **1** company

ESTT Entrepreneurial Separation to Transfer Technology

Center for Collaboration and Commercialization (C3)/Entrepreneur Exploration (EEx)

68 entrepreneur events, **3,319** participants including both Sandians and community members C3 location at the University of New Mexico Lobo Rainforest building fosters collaboration with UNM 2018: EEx had **22** entrepreneur events with **1,256** participants

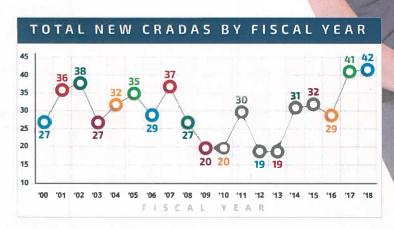


CRADA numbers are rising

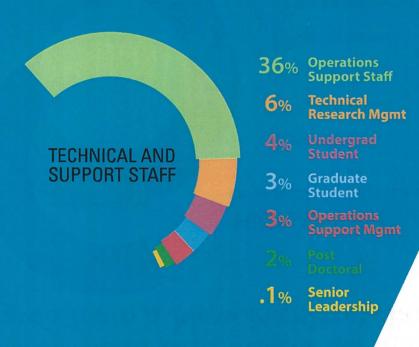
• In FY17, 41 CRADAs were signed. Contract value of the 83 new agreements in FY17-18 was more than \$63M

Sandia has about 155 active CRADAs

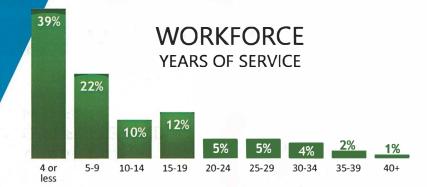
• The 2018 agreements include small businesses, education institutions, local businesses, nonprofits, and large international agencies



Sandia's workforce totals about 13,000 and is growing

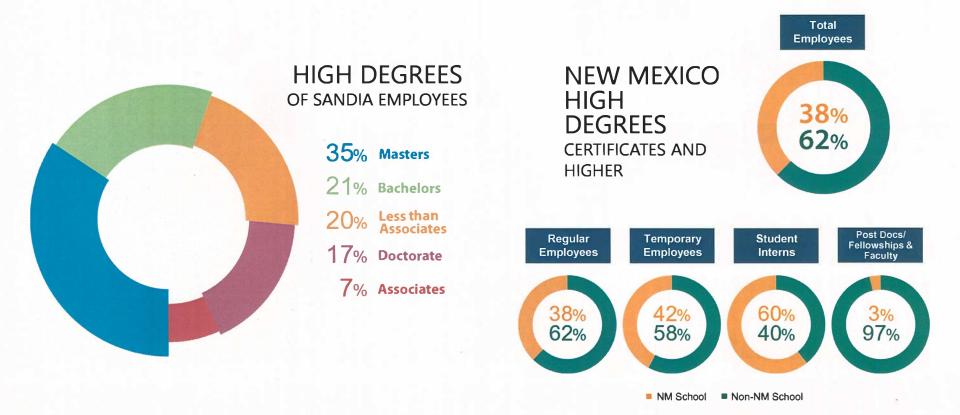


In the past five years, 42% of regular hires — or about 1,600 professionals — relocated to New Mexico





73% of our employees hold a bachelor's degree or higher; 38% of those who hold a certificate or higher have a high degree from a New Mexico school





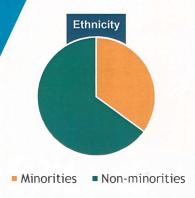
Diversity and inclusion are strategic advantages to Sandia

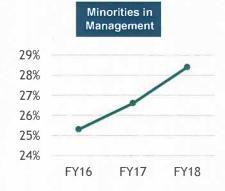
Diversity demographics

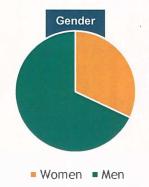
- Sandia embraces the values of ethnic and gender diversity, which we will continue to expand
- Minority representation at the Labs is increasing
- More minorities are joining the management ranks each year
- Diversity of applicants has risen

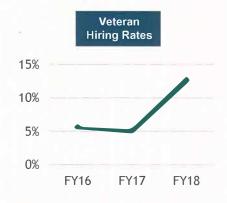
Veteran hiring

Hire rate went from 5.5% in FY17 to about 13% in FY18









Community commitment plan averages \$1 million



Focusing on New Mexico's greatest needs

Educational success

Inspiring students to graduate prepared to create their future

Community leadership/Economic development

Supporting initiatives that promote economic and community development

Family stability

Helping families provide a more stable home environment for children

Our community involvement aims high

\$5 Unite

\$5M Contributed through the United Way of Central NM

10,000 SHID

2,000 A STAIN STAI



15 NA Mentor 2.0

of Sandia
Serves
Saturdays
Events



P R E

Family **Math Nights** Family Science Nights

New Mexico

Electric Car Challenge

Science Bowls

STEM
workshops
HM Tech, Manos &
Dream Catchers



Crime and education impability to recruit and retain

Factors that affect employees relocating to New Mexico and our national recruiting efforts:

- NM typically sits at or **near the bottom** of most national education and violent crime rankings
- NM's violent **crime rate is 82% higher** than the national average
- The state also had the nation's **highest** rate of property crime in 2016 (FBI data)
 - Study ranks NM as **49th in quality** of education

Growing evidence of concern:

- Exit interviews information
- Glass door comments
- General feedback, comments, observations:
 - Summer interns from out of state have shared concerns about crime rate in Albuquerque
 - specifically for better school systems, especially young families whose children were about to start school

Sandia provides exceptional service in the national interest — we bring the same dedication to New Mexico

- Sandia continues to be an important contributor to the New Mexico economy
- We strive to further the state's entrepreneurial spirit through innovation and economic development
- Partnerships with New Mexico universities are critical to Sandia's success
- As New Mexicans, Sandia and its compleyees give generously and volunteer to
- ensure the communities in which we live and work tomain vibrant and thrive



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