

Addressing our communities' greatest challenges

Sandia National Laboratories is committed to being an informed, compassionate and contributing neighbor in our local communities. This commitment has been demonstrated throughout Sandia's history, and is an enduring part of our future.

New Mexico faces many challenges, including one of the highest childhood poverty rates in the United States and one of the lowest educational proficiency rates. Lack of affordable housing and

insufficient educational achievement are issues in the Bay Area near our Livermore site.

To address the greatest challenges faced in Sandia's communities of Albuquerque, NM, and Livermore, CA, and other remote sites, Sandia's contributions leverage resources in three critical focus areas. In 2019, National Technology and Engineering Solutions of Sandia, **contributed \$1.4M to our local communities**, including \$151K in the Livermore area.



Educational Success

Funded 65 programs, average grant size \$8,500



Bringing engineering to life

Engineers of the future built battery powered cars to compete in the **NM Electric Car Challenge**. The middle school students from around the state gathered together on a Saturday to put their handcrafted vehicles to the test. The competition gets students excited about careers in science and engineering.



Preparing students to learn

Sandia helped children start the school year ready to succeed with the **School Supply Drive** and **Operation Backpack**. Four pallets of school supplies were collected and given to Albuquerque Public Schools and almost 300 backpacks were donated to the children of military families in Albuquerque and the Bay Area.



Engaging at-risk students after school

Sandia supported the **Boys and Girls Clubs of Central New Mexico** with an **\$18,000 grant** for their Summer Brain Gain Program. Boys and Girls Clubs of Central New Mexico serves over 4,000 children in Albuquerque and Rio Rancho and provides them with state of the art programming where kids learn leadership skills and explore career opportunities.

Guys Give, a United Way Donor Group led by Sandia employees, hosted a drive to provide sporting goods equipment and games to the club.

As part of our commitment to Educational Success, Sandia provides programs to engage K-12 students in STEM (science, technology, engineering & math) careers.

- **Family Science Nights** provide hands-on science activities held at local elementary schools
- **Family Math Nights** provide hands-on math activities held at local elementary schools
- **CSI Dognapping Field Trip** explores the wonders of chemistry with 4th grade students
- **Department of Energy Science Bowls** are fast-paced round robin/double elimination tournament-style academic competitions for middle and high school students
- **New Mexico Electric Car Challenge** is a STEM competition where middle school students build and race electric cars
- **Manos STEM workshops for Hispanic students** introduces math, science, and engineering concepts to middle school students to spark their interest to pursue careers in science and engineering
- **Dream Catchers workshops** demonstrate Solar Cars, Robotics, Chemical Engineering, and Cyber/IT to Native American students
- **HM Tech for African American Students** gets students involved in fun science and engineering activities and provides an opportunity to explore a variety of STEM careers
- **STAR High School Fellowship** offers rising high school seniors the opportunity to be mentored by a scientist or engineer at Sandia
- **Math and Science Awards for Young Women** recognizes outstanding young women from Livermore for their achievements in math and science
- **CyberPatriot Mentors** aims to build a cybersecurity workforce

Family Stability

Funded 44 programs, average grant size \$13,000



Providing shoes for kids

Sandia's Hearts and Soles program, known as Shoes for Kids for more than six decades, raised **almost \$12,000** from employee donations to provide much-needed shoes for Albuquerque Public Schools children. The program provided employees a unique way to celebrate Valentine's Day, complete with a customizable Valentine's card to give to colleagues, friends or family members to let them know a donation of shoes was made on their behalf.



Addressing food insecurity

Roadrunner Food Bank is New Mexico's largest food bank, helping feed 70,000 people weekly. Sandia granted **\$25,000** to the Childhood Hunger Initiative. Additionally, members of the workforce donated **more than 250 frozen turkeys** and gleaned **6,000 pounds of apples** with Seed 2 Need that will find their way to the tables of hungry families in New Mexico.



Sandia supported Habitat for Humanity with a \$25,000 grant and 200 volunteers in Albuquerque. Sandia celebrated diversity by partnering with Employee Resource Groups to help with construction. These included the Sandia Women's Action Network, Asian Leadership and Outreach Committee, Sandia Pride Alliance Network, Hispanic Outreach for Leadership & Awareness, and the Black Leadership Committee.





Fertile GroundWorks received a \$10,000 grant to assist in their efforts to address issues of food insecurity and hunger in the Bay Area. Sandia volunteers rolled up their sleeves and dug into the earth to glean 305 pounds of squash for families in need.

Employee Contributions

In addition to Sandia's community contributions, our employees generously contribute their time, talent and treasure.

- Donated more than **\$2M** to support the work of the United Way of Central New Mexico and **\$3M** to other nonprofits
- Volunteered with the **District Attorney's office** to address the high crime rate
- **Supported local children with donations** of summer reading books and holiday gifts
- Volunteered on **Sandia Serves Saturdays** to support nonprofit projects
- Donated **1,056** units of blood



REQUESTER	FUNDING	PROGRAM	IMPACT
TEACHER PROFESSIONAL DEVELOPMENT			
ASM Materials Education Foundation	\$10,000	Materials Camp	Material science/chemistry professional development
Computer Science Alliance	\$20,000	New Mexico Computer Science PD Week	K-12 computer science professional development
Explora Science Center & Children's Museum of Albuquerque	\$14,000	Computer Science Professional Development	Computer science workshops throughout NM
Explora Science Center & Children's Museum of Albuquerque/New Mexico Out of School Time Network	\$6,000	Project STEM Next	DoS Quality STEM education for out of school time providers
Golden Apple Foundation of New Mexico	\$10,000	Elementary Math Initiative	Conceptual math professional development for K-5 teachers
New Mexico Science Teachers Association	\$5,000	Jump Start NM STEM Ready	NM STEM-Ready standards training

STEM CAREER EXPLORATION - GENERAL POPULATION			
Albuquerque Public Library Foundation	\$5,000	Charlie Cart	Mobile kitchen classroom for K-8 students
Albuquerque Public Schools Foundation - Carlsbad	\$4,500	Sandia Labs Carlsbad Thunderbird Awards	Award to local outstanding math/science students
Albuquerque Public Schools Foundation	\$10,400	Sandia Labs Student STEM activities	STEM activities for local students
Big Brothers Big Sisters of Central New Mexico	\$1,500	Discovery Festival	STEM career exploration event
Explora Science Center & Children's Museum of Albuquerque	\$5,000	12 Months of Math	Multilingual family math programs for the public
Explora Science Center & Children's Museum of Albuquerque	\$20,000	Sandia Labs Family Science Nights	Engage students/families in an evening of science
Livermore Valley Education Foundation ●	\$28,000	Sandia Labs Family Science Nights	Engage students/families in an evening of science
New Mexico Community Foundation on behalf of PBS	\$10,000	STEM Learning with Media	Share PBS learning programs with students
New Mexico State University Foundation, Inc.	\$22,500	STEM Outreach	NMSU College of Engineering outreach/capstone programs
Robot Garden ●	\$5,000	Expanding Youth Group Participation	Community makerspace

CAREER EXPLORATION - UNDERREPRESENTED FOCUS

AAUW Tech Trek New Mexico	\$10,000	Tech Trek Summer Camp	Summer science camps for rising 8th-grade girls
Albuquerque Community Foundation	\$5,000	College Horizons	Bernalillo Public Schools college and career readiness program
Albuquerque Public Schools Foundation	\$13,520	Sandia Labs Manos	Sandia Labs STEM workshops for Hispanic students
Albuquerque Public Schools Foundation	\$4,160	Sandia Labs Dream Catchers	Sandia Labs STEM workshops for Native American students
Albuquerque Public Schools Foundation	\$5,000	STEM Trajectory	STEM program serving APS underserved students
Brain Hackers Association	\$8,500	Teen Tech Centers	STEM/Cognitive Science expansion to low income schools
Central New Mexico Community College Foundation	\$10,000	SciGirls Camp	Summer camp for middle school girls
Citizen Schools ●	\$15,000	Hands on STEM	Hands-On STEM learning for underserved middle school students
Girl Scouts of New Mexico Trails	\$5,000	STEM for Girls	Hands on STEM exploration and experimentation for girls
Expanding Your Horizons Network ●	\$10,000	Tri-Valley and San Joaquin EYH	STEM workshops and career exploration for girls
Greater Albuquerque National Society of Black Engineers Jr. Chapter	\$15,000	Leaps & Bounds Tutoring	One-on-one tutoring for middle and high school students
National Atomic Museum Foundation	\$23,000	STEM Programs	Nuclear Science Week/museum programs for Title 1 students
National Inventors Hall of Fame, Inc.	\$7,500	Camp Invention	Support for attendance by underserved elementary students
National Society of Black Engineers East Bay ●	\$2,700	Saturday STEM and Robotics	Purchase of STEM modules and licenses for hands on projects
New Mexico Network of Women in Science and Engineering	\$3,000	Albuquerque Expanding Your Horizons	STEM workshops and career exploration for girls
New Mexico State University Foundation, Inc.	\$7,500	Young Women in Computing	Prepares young women to pursue careers in computer science
Regional Development Corporation	\$5,000	Look Across the Mountain III	STEAM workshops for American Indian students
R4Creating	\$5,000	Robotics Training Institute	Support for inclusion of underserved students in robotics programs
Scientific Adventures for Girls ●	\$10,000	Family STEAM Nights	Family STEAM nights in Bay Area low income schools
STEM Santa Fe	\$2,000	STEM Pathway for Girls	Mentorship program for girls interested in STEM careers

REQUESTER	FUNDING	PROGRAM	IMPACT
STEM COMPETITIONS			
Albuquerque Public Schools Foundation	\$8,320	NM Electric Car Challenge	<i>Engineering competition for middle school students</i>
Albuquerque Public Schools Foundation	\$4,160	New Mexico Regional Science Bowls	<i>Regional DOE science and mathematics competition</i>
Association of Chinese-American Engineers & Scientists of NM	\$10,000	Future City	<i>Regional engineering/sustainable city competition</i>
University of California Davis Foundation ●	\$1,300	Sandia Design Award	<i>Sandia award for collegiate competition</i>
University of California Davis Foundation ●	\$2,000	MAE-Baja SAE Team	<i>Undergraduate capstone project/competition</i>
Las Positas College Foundation ●	\$15,000	California Regional Science Bowls	<i>Regional DOE science and mathematics competition</i>
Los Alamos National Laboratory Foundation	\$5,000	NM Governor's STEM Challenge	<i>High school STEM design competition</i>
Mission San Jose 3D Printing Club ●	\$1,000	3D Printing Designathon V Event	<i>3D printing design challenge</i>
New Mexico FIRST LEGO League	\$5,000	Robotics competition	<i>Regional robotics competition for middle school students</i>
New Mexico MATHCOUNTS	\$5,000	MATHCOUNTS Competition	<i>Regional and state math competition for middle school students</i>
New Mexico MESA, Inc.	\$10,000	STEM Success	<i>STEM competition for NM MESA students</i>
New Mexico Academy of Science	\$4,000	Paper Competition	<i>Research and oral presentation competition</i>
Supercomputing Challenge	\$10,000	Supercomputing Challenge	<i>Computer science challenge for middle and high school students</i>
University of New Mexico Foundation	\$10,000	FSAE Car and Solar Splash	<i>Undergraduate capstone project/competitions</i>
University of New Mexico STEM-H Center	\$10,000	STEM-H Center	<i>NM science and engineering research challenge</i>

REQUESTER	FUNDING	PROGRAM	IMPACT
ACADEMIC SUCCESS			
Albuquerque Teacher Leadership Foundation	\$10,000	Dial-a-Teacher	<i>Licensed classroom teachers provide homework help</i>
FJC Fund Manager for the Avanza Network	\$500	Educational Advancement Seminar	<i>Encourage Latino students to pursue Ivy league education</i>
Big Brothers Big Sisters of Central New Mexico	\$20,000	Mentor 2.0/3.0	<i>Provides one-on-one mentoring to at-risk students</i>
Boys & Girls Clubs of Central New Mexico	\$18,000	Summer Brain Gain	<i>Summer program to prevent summer learning loss</i>
Career Guidance Institute	\$10,000	Albuquerque Reads	<i>One-to-one reading tutoring for kindergarten students</i>
Friends of the Public Library	\$5,000	Summer Reading Program	<i>Program to encourage babies through adults to read</i>
Horizons Albuquerque	\$6,000	Extended Learning/Enrichment	<i>Build reading and math confidence/decrease summer learning loss</i>
Junior Achievement of New Mexico	\$7,500	Valle Vista	<i>Teach entrepreneurial skills to low income students</i>
Libros for Kids, Inc.	\$5,000	Improving Early Childhood Literacy	<i>Provide children's books for south valley children</i>
NewMexicoKidsCAN	\$5,000	Principals Matter	<i>Bring business and school leaders together to improve principal PD</i>
NM Credit Union Education Foundation	\$10,000	SLFCU Connect Academy	<i>Support community initiative to provide teachers for ill children</i>
NM Educational Assistance Foundation	\$2,000	2020/2021 FAFSA Initiative Support	<i>Support FAFSA trainings throughout New Mexico</i>
San Joaquin County Hispanic Foundation Inc. ●	\$10,000	Financial Aid/College Awareness	<i>Assist families with completing financial aid/FAFSA requests</i>
Valencia County Literacy Council	\$3,000	Books Open to Our Kids (BOOK)	<i>Promote emergent literacy for very young children</i>
University of NM Foundation	\$5,000	Business Plan Competition	<i>Seven month program that helps students become entrepreneurs</i>

Educational Success Total: **\$556,560**

REQUESTER	FUNDING	PROGRAM	IMPACT
HUNGER RELIEF			
Adelante Development Center	\$5,000	Desert Harvest Food Rescue	Repurpose surplus food and provide volunteer opportunities to people with disabilities
Alameda County Community Food Bank ●	\$5,000	Farm Fresh Produce/TriValley	Provide farm fresh produce in the Tri-valley community
Bethel Community Storehouse	\$8,000	Emergency Food Box Program	Provide food in the east mountain communities
The Community Pantry	\$5,000	NM Healthy Living Heathy Giving	Provide food in the Gallup and Grants communities
High Plains Food Bank	\$1,000	Food Distribution	Provide food in the Texas Panhandle -WETL
Fertile Groundworks ●	\$10,000	Healthy Food for All	Grow fresh produce for Tri-valley food pantries
Meals on Wheels	\$10,000	Low Income Food Enrichment	Provide prepared meals to low income clients requiring meal preparation/delivery
Open Heart Kitchen ●	\$5,000	CA Healthy Living Heathy Giving	Provide food in the Tri-valley community
Rio Grande Food Project	\$25,000	Rio Grande Food Project	Provide food in Bernalillo county
Roadrunner Food Bank	\$25,000	Childhood Hunger Initiative	Provide food for low income children
St. Felix Pantry	\$12,500	Food Rescue Program	Provide food in Sandoval County
Storehouse NM	\$15,000	Food Distribution	Provide food in Bernalillo, Valencia and Sandoval counties

STABLE HOUSING			
Barrett Foundation	\$15,000	Home Again Housing Program	Provide emergency housing and case management for women and children
Catholic Charities	\$25,000	La Luz Housing Program	Provide housing assistance and case management
Crossroads for Women	\$7,500	Family Program	Housing/services for women emerging from incarceration
Family Promise of Albuquerque	\$25,000	Family Promise	Transition families experiencing homelessness to sustainability
Greater Albuquerque Habitat for Humanity	\$25,000	Mesa del Rio Neighborhood	Provide low interest homes for low income families
Haven House	\$5,000	Domestic Violence Shelter	Provide emergency shelter for victims of domestic violence
Heading Home	\$25,000	Welcome Home Fund	Case management to families experiencing homelessness
HopeWorks	\$25,000	Project End Homelessness	Services for people experiencing (or at risk of) homelessness
Ronald McDonald House Charities of NM	\$7,500	Lodging Program	Provide lodging, comfort and care to families with ill children
Ronald McDonald House Charities of NM	\$10,000	Capital Campaign: "The Brain Room"	Provide lodging, comfort and care to families with ill children
Saranam	\$2,114	Sandia Labs volunteer project	Furnished one apartment and provided vacuum cleaners for all apartments

REQUESTER	FUNDING	PROGRAM	IMPACT
Saranam, LLC	\$15,000	Long-Term Self-Sufficiency	Provide housing, education & supportive services to families experiencing homelessness
Supportive Housing Coalition of NM	\$10,000	Service for Families w/Children	Providing affordable, permanent, and supportive housing
The Salvation Army	\$10,000	Emergency Rental Assistance	Emergency Rental Assistance to maintain permanent housing

WORKFORCE DEVELOPMENT

Albuquerque Adult Learning Center	\$7,500	Career Pathways Coordinator	Support adult learners with educational and career services
CNM Foundation	\$15,000	Crianza: Early Childhood Workforce	Prepare adults to run quality early childhood care programs
La Plaza de Encuentro	\$5,000	Adult Education Pipeline	Prepare adults to manage businesses, and serve as, quality home health aides
Reading Works	\$10,000	Self-Sufficiency/Literacy	Empower adults with literacy and language skills

CHILD/FAMILY RESILIENCY

All Faiths Children Advocacy Center	\$25,000	Family Wellness	Prevention of child abuse and treatment toward trauma recovery
Casa Q	\$20,000	Homeless Youth Support	Provide safe living options/services for homeless LGBTQ youth
Children's Grief Center	\$10,000	Bereavement Support Programs	Provide grief groups for children, teens, young adults and caregivers
CityServe of the Tri-Valley ●	\$5,000	Crisis Stabilization	Connect and coordinate services for Tri-Valley at-risk populations
CLNKids	\$25,000	WrapAround Family Support	Quality early childhood education for homeless children
Common Bond NM Foundation	\$5,000	U-21 Safety Net Expansion	Help reverse negative life experiences for at-risk LGBTQ youth
New Day Youth and Family Services	\$15,000	First Jobs Program	Transitional housing for disconnected and homeless youth
NM Kids Matter	\$15,000	CASA	Advocating for safety and well-being of foster children
NM Child Advocacy Networks (NMCAN)	\$10,000	Back on Track	Assist foster care and juvenile justice system youth with employment
NM Dream Center	\$10,000	Family Stability	Dedicated specialized services for child survivors of sex trafficking
SAFE House	\$10,000	Shelter Security Project	Playground for children at shelter
Susan's Legacy	\$12,000	Save a Woman, Save a Family	Counseling for women with mental health/addiction disorders
TenderLove Community Center	\$15,000	Empowerment for Self-Sufficiency	Help women become self-supporting through job and life skills training
Wings for LIFE International	\$10,000	Life-skills Imparted to Families	Providing services for families experiencing incarceration

Family Stability Total: **\$558,114**