

# Los Alamos County

## Los Alamos National Laboratory

### 2013-2014 Impacts and Investments

Los Alamos County is home to 3,840 LANL employees and contractors. As of July 2013, \$584,246,522 in annual base salaries was being paid to LANL employees (excluding contractors and craft employees) in Los Alamos County.

In FY13, LANL purchased \$193,017,896 in products and services from Los Alamos County businesses.

Los Alamos is one of seven Northern New Mexico counties identified in the Lab's maintenance and operations contract with the National Nuclear Security Administration that is targeted for education, economic development, and charitable giving programs through the Los Alamos National Security, LLC (LANS) Community Commitment Plan.

## Education

The Laboratory's goal in education is to enhance regional Science, Technology, Engineering, and Mathematics (STEM) education and enrichment initiatives through Workforce Development, Student Internships, Teacher and Faculty Professional Development, and Public Understanding of Science.

**Employee involvement:** In FY13, LANL employees gave 2,122 volunteer hours to various STEM initiatives that support Los Alamos schools. Students and teachers from the following schools participated in one or more of LANL's regional education programs:

- Aspen Elementary
- Barranca Mesa Elementary
- Chamisa Elementary I
- Los Alamos Middle/High Schools
- Mountain Elementary
- Piñon Elementary

### Los Alamos Employees' Scholarship Fund: Los Alamos County

The 2014 Los Alamos Employees' Scholarship Fund Gold Scholar recipient is Alexander Wang from Los Alamos High School. The amount of the scholarship is \$20,000. Seventeen students from Los Alamos County were awarded a total of \$93,000 in academic scholarships this year.

Since 2007, \$601,000 in scholarship funds have been provided to Los Alamos students.

### LANL STEM Challenge

The LANL STEM Challenge was designed in 2013 for the purpose of challenging Northern New Mexico middle and high school students to design a project of the future by researching the work that the Laboratory does and then applying that knowledge to propose their own

imaginative project through an essay, app design, poster, or video. Sube, Inc., a small, woman-owned business in Taos has been contracted to implement this online STEM Challenge.

### **Los Alamos National Security STEM Sponsorships**

- Los Alamos Public Schools Foundation – Great Conversations event
- Los Alamos Public Schools Foundation – Middle School Math Technology Program
- Los Alamos County Science Fair
- Los Alamos Public Schools Master's program
- Pajarito Environmental Education Center Earth Day Festival

### **University of New Mexico – Los Alamos**

Los Alamos National Laboratory has invested a total of \$550,000 since 2006 in the University's Applied Technologies degree program. To date, eight students have graduated from the Applied Technologies program and experienced an 80.6 percent job placement rate.

### **Northern New Mexico Math & Science Academy**

The Northern New Mexico Math and Science Academy (MSA) was established in 2000. This three-year professional development program focuses on standards-based education using today's research-based concepts and instructional strategies. Assessment, data analysis, and technology are integrated at every level. More than 400 K-12 teachers have participated. Additionally, through a partnership with New Mexico State University, 57 teachers have earned Master's degrees in teaching math and science. Currently, eight MSA teachers are enrolled in a doctoral program at the University of New Mexico Educational Leadership Program, and seven Bureau of Indian Education K-8 teachers are enrolled in the University of New Mexico Educational Leadership Program for Native American teachers.

### **Future City Competition**

Aspen Elementary School participated in the Future City Competition, a national, project-based learning experience in which students in grades six through eight can imagine, design, and build cities of the future. Students work as a team with an educator and an engineering mentor to plan cities using SimCity software, research and write solutions to an engineering problem, build tabletop scale models with recycled materials, and present their ideas before judges at Regional Competitions in January. Winners represent their region at the National Finals in Washington DC in February. The first-ever New Mexico Future City Competition was implemented in the 2013-14 school year through a partnership between Los Alamos and Sandia National Laboratories.

### **LANL High School Co-op Program**

Los Alamos High School students were presented information about the LANL High School Cooperative (HS Co-op) Program, which provides qualified Northern New Mexico high school seniors with an opportunity to develop skills and gain work experience while receiving exposure to a variety of career fields. This popular program provides employability skills and assists local area high school students with the school-to-work transition.

### **Accelerate Technical Job Training Program**

Sixty-seven students from Los Alamos have participated, and six students have graduated to date from this regional technical training and job placement workforce development program, which is designed to graduate more technical career students, place them in jobs, and better prepare them for career and educational advancement. Participating colleges include: Luna Community College, New Mexico Highlands University, Northern New Mexico College, Santa Fe Community College, University of New Mexico-Los Alamos, and University of New Mexico-Taos.

### **Northern New Mexico Inquiry Science Initiative**

A regional program managed by the Los Alamos National Laboratory Foundation designed to improve K-8 student academic achievement in science, math, and literacy, and to meet or exceed State requirements. The investment in this program has benefited seven Northern New Mexico districts, 38 schools, and more than 1,200 students.

### **Department of Energy Science Bowl**

The Science Bowl enables students in grades 6-12 to test their scientific knowledge against other school districts in the region. Teams are questioned in a rapid-recall format about earth, space, energy, physics, chemistry, biology, and math. In 2013, Los Alamos High School and Middle School competed in the regional event, and both teams advanced to the National Competition. The Los Alamos Middle School team placed sixteenth in the nation out of more than 4,000 teams in its division of the Department of Energy's National Science Bowl.

### **Bradbury Science Museum**

In 2013, more than 1,542 Los Alamos County students and teachers participated in science education programs offered by the Laboratory's Bradbury Science Museum. In addition to hosting school visits at the Museum, our science educators take presentations to students in their own schools through the Science on Wheels program.

## **Economic Development**

Los Alamos National Laboratory is committed to investing and partnering in economic development initiatives and programs that help stimulate business growth, create jobs, and strengthen communities in Northern New Mexico.

The Laboratory has been involved with the Los Alamos business community as a member of the Los Alamos Chamber of Commerce and Los Alamos Commerce and Development Corporation since 2004.

**Los Alamos Connect**, the principal economic development investment of LANS and Los Alamos National Laboratory, is comprised of coaching, networking, research, technical assistance, and investment programs designed to help businesses reach the next level of success, create an entrepreneurial culture, and positively impact the economy in Northern New Mexico. Los Alamos Connect programs include:

- **Venture Acceleration Fund**—investments in companies to help them take their innovations to market more quickly
- **Native American Venture Acceleration Fund**—investments to help Northern New Mexico Native American owned and operated businesses create jobs and increase revenue
- **Market intelligence**—market research for small businesses and entrepreneurs
- **Springboard**—expert coaching for companies facing strategic decisions
- **Entrepreneurial networking**—connecting entrepreneurs to community resources
- **Business expansion and retention**—development strategies to support growth and success

### **New Mexico Small Business Assistance Program**

This resource enables LANL to provide assistance at no cost to small businesses facing technology challenges.

In 2013, the following Los Alamos businesses and entrepreneurs received assistance from one or more of our Los Alamos Connect and New Mexico Small Business Assistance economic development programs:

- Alpha Analytics, LLC
- Atomic Soles
- Fraser E. Goff
- GeoEnergy Monitoring Systems
- Heppolt Wind, LLC
- HyPwr, LLC
- Los Alamos Beer Cooperative
- MIMICRI, LLC
- MLAdams.com
- Mustomo, Inc.
- New Mexico Consortium
- Roy Nielsen Enterprises
- Samitaur Medical Technologies, LLC
- SportXast
- Sun Enerjy, LLC
- Tibbar Technologies

### **Subcontractor's Regional Community Development Plans**

The Lab's major subcontractors with contract awards of \$5 million or greater are required to submit a Subcontractor's Regional and Community Development Plan to address economic development, education enrichment, and corporate citizenship in Northern New Mexico. The LANL Major Subcontractors Consortium (MSC) serves as a community development collaboration platform and enables the subcontractors to increase the impact of their regional community development plans. In 2013, LANS matched contributions to the LANL Major Subcontractor's Consortium Grant Pool program. This match enabled the LANL MSC to award eight economic development grants to regional not-for-profit organizations supporting industry cluster development in Northern New Mexico.

## **Community Giving**

Los Alamos National Laboratory is committed to giving back to its Northern New Mexico neighbors. Our Community Programs Office manages a variety of giving programs to provide opportunities for LANL employees and retirees to make gifts of time, talent, and money to improve the quality of life of our neighbors.

### **LANL Annual Employee Giving Campaign**

Donations are administered by the United Way of Northern New Mexico serving Los Alamos and Rio Arriba counties

Since 2007, United Way of Northern New Mexico has received \$17,296,938 from LANL employee donations and LANS matching funds.

### **LANL Vecinos Volunteer Program Recognition Events**

In 2013, LANS donated \$123,100 to 107 nonprofit organizations on behalf of LANL employees and retirees in recognition of their calendar-year 2012 volunteerism. Those nonprofit organizations included Boy Scouts of America, Friends of the Los Alamos Animal Shelter, Los Alamos Retired Seniors Organization, Habitat for Humanity of Espanola Valley and Los Alamos, Self Help, and many others.

## Los Alamos National Laboratory Drives in 2013

- **LANL Laces** – Twenty-six pairs of new shoes were given to Los Alamos Public Schools students
- **School Supply Drive** – Fifty backpacks filled with school supplies went to Los Alamos elementary and middle school students
- **Holiday Gift Drive** – Five gifts were donated through the Los Alamos Family Council's Youth Activity Center
- **Holiday Food Drive** – Fifteen boxes of food and 35 turkeys were given to Los Alamos County residents