

Los Alamos National Laboratory Impacts and Investments in Los Alamos County

Los Alamos County is home to 3,772 LANL employees and contractors. As of February 2013, \$414,431,455 in annual base salaries was being paid to LANL employees (excluding contractors and craft employees) in Los Alamos County.

In FY12, LANL purchased \$193,827,533 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 NNSA that is targeted for education, economic development, and charitable giving programs through the LANS, LLC 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 FY12, LANL employees gave 1,981 volunteer hours to various STEM initiatives in Los Alamos County. Students and teachers from the following Los Alamos County schools participated in one or more of LANL's regional education programs

- Aspen Elementary School
- Chamisa Elementary School
- Los Alamos Middle/High Schools
- Mountain Elementary School
- Piñon Elementary School

Los Alamos Employees' Scholarship Fund: Los Alamos County

The 2012 Los Alamos Employees' Scholarship Fund Platinum recipient is Scott Carlsten from Los Alamos High School. The amount of the scholarship is \$30,000. Thirteen students from Los Alamos High School and UNM-LA were awarded a total of \$88,000 in academic scholarships this year.

Previous scholarship funds provided

- \$45,000 in 2007
- \$42,000 in 2008
- \$91,000 in 2009
- \$63,000 in 2010
- \$81,000 in 2011

Bradbury Science Museum: Science education activities conducted by our Museum reached 6,142 Los Alamos County students and other community members in 2012. 712 students visited the Museum, our Science on Wheels educators reached 417 students in their own schools, equipment loans for six science presentations served 553 people, and 21 special community events reached an additional 4,460.

Accelerate Technical Job Training Program: A new regional technical training and job placement workforce development program to prepare people of all ages and educational backgrounds for enhanced employment opportunities. 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. The first students involved in this program will graduate in 2013.

University of New Mexico – Los Alamos: LANS invests \$100,000 annually to support the College's Applied Technology Program with concentrations in Electro-Mechanical, Nano, and Manufacturing technologies.

Economic Development

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.

Northern New Mexico Connect is the principal economic development investment of Los Alamos National Security, LLC and Los Alamos National Laboratory. It is comprised of coaching, networking, research, technical assistance, and investment programs designed to help businesses reach the next level of success and create an entrepreneurial culture in Northern New Mexico.

Since 2006, 37 Los Alamos businesses have received assistance from one or more of our Los Alamos Connect and New Mexico Small Business Assistance economic development programs:

- *Acoustic Cytometry Systems* – biotech startup commercializing a portable acoustic flow cytometer developed at LANL. The company was acquired by Life Sciences Technologies in Portland, Oregon.
- *Adaptive Radio Technologies* – aerospace research company
- *Amicable Inventions, LLC* – developer of efficient engines
- *Aviani* – developer of micropower source technologies
- *Amalgam Industries* – company formed to attract capital, talent, and seed technologies to create new markets and industries
- *BandGap Engineering* – engineering firm developing and applying highly tunable and inexpensive methods for nano-structuring silicon to photovoltaic systems and Li-ion batteries
- *Bennett Design* – venture technical product development company
- *CNT Technologies* – company using LANL technology to produce yarns from carbon nanotubes
- *Cottonwood Ventures* – venture capital firm providing services and capital to tech transfer opportunities having strong commercial potential

70 YEARS OF CREATING TOMORROW

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- *Cognitive Architectures for Learning* – research and development firm creating working models of control systems and classifiers
- *Eberline Services, Inc.* – project-management company providing radiological and environmental services
- *Efficient Engines* – turbine manufacturer
- *EQSolaris* – energy research and technology company specializing in advanced solar arrays
- *Fairfield Enterprises* – technology company
- *GED, LLC* – designs and builds high-voltage power and control systems
- *HyPwr, LLC* – nuclear power technologies and applications to dedicated users
- *Information Assets Management, Inc.* – knowledge management and business intelligence consulting
- *IX Power* – company formed to integrate established engineering and technical innovations to provide baseload power and clean water for developing regions
- *Manhattan Isotope Technologies* – startup company that will supply the active pharmaceutical ingredient strontium-82 to radiopharmaceutical companies
- *Mustomo, Inc.* – commercializing innovative imaging technology developed at Los Alamos National Laboratory for breast cancer screening and detection
- *Neptune and Company, Inc.* – small consulting firm focused on finding and communicating technical solutions to difficult environmental problems
- *NM Virtualization* – company specializing in 3D technology for museums, educational institutions, and other businesses
- *Northwind Inc.* – subsidiary of CIRI, an Alaska Native corporation, providing environmental, engineering, and construction services
- *PDM (Precision Data Mining)* – company developing data models with customized interfaces, reporting, and an anomaly management tool
- *PHYSICALITY* – developer of videogames to help make exercising more fun
- *Physical Therapy Plus* – physical therapy services
- *Porcupine Holdings* – a technology holding company
- *Portage, Inc.* – engineering and environmental remediation services company
- *Research Applications Corporation* - engineering firm providing computational products and services for government and commercial research applications
- *R-PO* – startup company investigating the opportunity for utility grid modeling
- *RockSmith Precision Machining, Inc.* – precision machining and welding
- *Samitaur Medical Technologies* – company seeking to transfer national defense laboratory technologies to medical applications
- *Sci Tac, LLC* – software research and development for scientific applications on massively parallel computing machines
- *Sun Energy, LLC* – climate modeling/prediction company
- *Synthetic Cognition, Inc.* – software development company
- *TerranearPMC* – provides environmental remediation and compliance, radiological waste management, and engineering design and construction management services
- *Tibbar Technologies* – research and development in plasma physics and plasma-based technologies

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

- \$1,219,731 in 2007
- \$1,476,372 in 2008
- \$2,010,790 in 2009
- \$2,064,212 in 2010
- \$2,216,496 in 2011
- \$2,577,633 in 2012
- \$2,929,526 in 2013

LANL Vecinos Volunteer Program Recognition Event: In 2012, LANS donated \$78,935 to 106 nonprofit organizations on behalf of LANL employee and retirees in recognition of their calendar year 2011 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 2012

- LANL Laces – \$650 for 26 school shoe gift cards to Los Alamos Public Schools students
- School Supply Drive – 50 backpacks filled with school supplies to Los Alamos elementary and middle school students
- Holiday Gift Drive – 20 gifts through the Los Alamos Family Council