



Laboratory update

NM Science, Technology &
Telecommunications committee

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Managed by Triad National Security, LLC, for the U.S. Department of Energy's NNSA.



Deputy DOE Secretary James Danly and Acting NNSA Administrator Teresa Robbins help open the Lab's new Flight Instrumentation Test Lab. Below, the team that will produce medical isotopes for an exciting new clinical cancer trial.



An urgent purpose

- LANL was founded to build an atomic bomb to help end World War II
- Today, we tackle myriad known and unknown national security challenges
 - Our chief responsibility is to ensure a safe, secure, and effective nuclear deterrent
- Most of Los Alamos's work is performed for DOE/NNSA
 - We also support sponsors like the DoD, Dept. of Homeland Security, ...



NNSA's work is well-supported

- FY26 budget request & reconciliation bill could mean a significant budget boost for LANL in FY26
 - Must continue momentum on projects
 - Also, must keep growing our workforce to keep up with demand

Hiring



Highlights: Weapons

- Assembled the first B61-13 gravity bomb ahead of schedule
- Working with NNSA, STRATCOM, and the Navy to assess design options for a new warhead, the W93
- Moved a supercomputer called Venado to our classified network and are using OpenAI algorithms on it
- Began 24/7 operations at our plutonium facility to support our mission to produce nuclear pits for the national stockpile



Highlights: Science

- Two scientists elected to National Academy of Sciences
- Hosting 1,917 promising students on campus this summer
- Planning investments in new supercomputers
- Producing a medical isotope called actinium-225 for a cancer therapy clinical trial in humans
- Launched Monsoon-1, a suborbital flight test, from the White Sands Missile Range



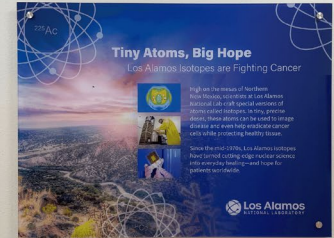
Highlights: Safety & security

- We have good safety metrics in all high-hazard areas across the Lab – however, “walking through life” injuries are a focus area
 - TRC/DART rates continue to improve, even after 24/7 operations
- Installed speed cameras onsite to curb unsafe driving
- Flight Instrumentation Test Lab (FITL) finished five months ahead of schedule
 - Facility is dedicated to assessing flight-relevant properties of weapons and components
- Fact: The Lab has one of the most robust air-monitoring networks in the world



Highlights: Community & connections

- 414 employees spent 4,619 hours volunteering for nonprofit & educational orgs in Northern NM in FY24
- Through the NM Consortium, we run talent-pipeline programs (like the Pu Workforce Development Initiative) with UNM, NMSU, and NM Tech
- Triad contributed \$50K to first regional cancer center in Northern New Mexico
- Collaborating with University of Michigan on a state-of-the-art facility for computing and AI research
- Partnering with Purdue University on national security research, including in hypersonic materials, cybersecurity, and AI-driven modeling



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Discussion

