

# NM Science, Technology and Telecommunications Committee: Lab Update

Frances Chadwick, Staff Director  
LANL Director's Office

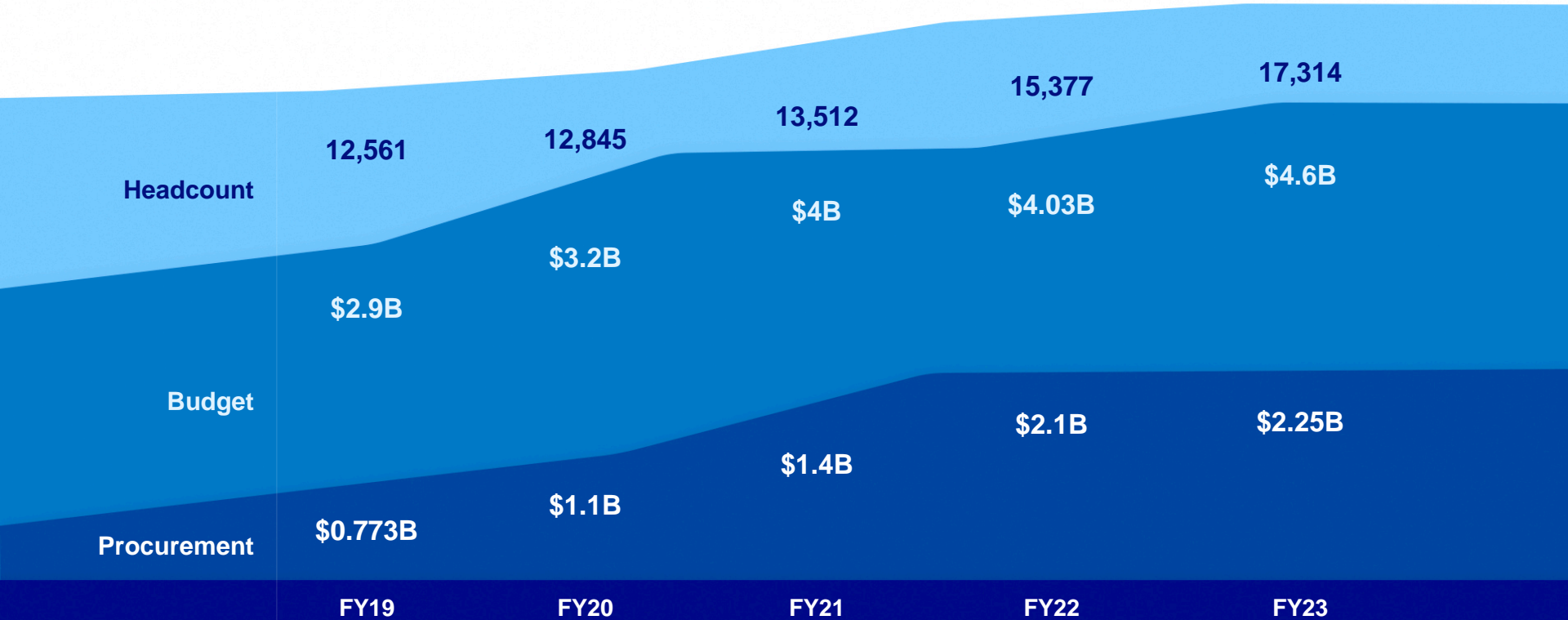
Kathy Keith, Director,  
LANL Community Partnerships Office

11/28/2023



# Hiring, budget & procurement: we are hitting our stride

Funding and workload have grown in response to needs of the nation



# LANL's national security capabilities are in high demand and in the public eye

- Current events have increased awareness of urgency for our national defense-related technology and expertise
- After rapid growth, now focused on precision, urgency and efficiency



# Creating the Lab of the future and addressing capacity challenges

- New commuter options available:
  - Vanpool program supported by NMDOT subsidy
  - A dedicated bus from Pojoaque to Laboratory supplementing Park and Ride services
- Bringing new facilities online and utilizing off-site leased space (exploring additional options)
  - New warehouse in Espanola in partnership with Pueblo Alliance
  - Craft workforce is at 1433 union members – the highest level ever
- Working to meet net-zero goals
- Employer-sponsored childcare center to open early 2024



# Science news



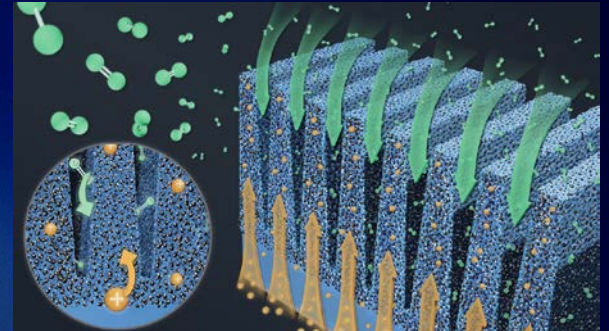
## Won 10 R&D 100 Awards – the Oscars of innovation

LANL projects won more than any other DOE laboratory. One electric grid balancing innovation provides grid resiliency and accommodates the variability of renewable energy sources.



## Newly installed supercomputer Crossroads

Diagnostics underway on computer that will deliver four to eight times better performance than previous supercomputer Trinity to tackle most complex simulation and modeling challenges.



## LANL expertise used to scale up clean-energy solutions

New design for high-power-density fuel cells offers up to 50% higher performance and improved durability to power future emission-free medium- and heavy-duty transportation.

# Economic development



With help from State-supported NMSBA program Santa Fe-based Lithified Technologies produces cheaper and longer-lasting road surfaces used in NM and beyond.



Member of the 2nd NM Laboratory Embedded Entrepreneur Program (LEEP) cohort, Albuquerque-based Filtravate is developing a membrane to filter out viruses from water.



Two-thirds of our new hires in FY 23 were from New Mexico.



LANL paid \$155M in gross receipts tax in FY23. In FY 23 \$919M of procurement went to NM businesses.

# Education and giving



Signed Mentor-Protégé Partnership agreement with Northern New Mexico College to build capacity and workforce pipeline.



STEM education units visit communities including Taos, Peñasco, Española, and Albuquerque (and the Capitol during 2023 session).



Community Technical Assistance programs gives nonprofit, tribal and government entities in our region access to LANL expertise.



Employees donated \$2.7M in 2022 Giving Campaign, and pledged \$400,000 in 2023 to LANL Employees Scholarship Fund.

**Thank you**